CONSTRUCTION NEWS

Engineering News-Record, January 3, 1924

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

Jan. 4 South Orange, N. J. ..... Jan. 3
Jan. 7 Haledon, N. J. ..... Jan. 3
Jan. 10 Conover, N. C. ..... Jan. 3
Jan. 10 Belzoni, Miss. ..... Dec. 20
Jan. 10 St. James, Mo. ..... Dec. 20
Jan. 14 North East, Pa. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 15 Oklahoma City, Okla. ..... Dec. 20
Adv. Dec. 20 to Jan. 3.
Jan. 16 South Bend, Ind. ..... Dec. 20
Jan. 19 Charlottesville, Va. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 29 Bloomington, Ind. ..... Jan. 3
Adv. Jan. 3.

SEWERS

Jan. 4 Long Island City, N. Y. ... Jan. 3
Jan. 9 Brooklyn, N. Y. ..... Jan. 3
Jan. 11 Nanty-Glo, Pa. ..... Jan. 3
Jan. 15 Tell City, Ind. ..... Jan. 3
Jan. 15 Versailles, Mo. ..... Jan. 3
Jan. 25 Wash., D. C. ..... Jan. 3
Adv. Jan. 3.
Jan. 30 Fostoria, O. ..... Jan. 3
Adv. Dec. 27 and Jan. 3.
Feb. 5 Baton Rouge, La. ..... Jan. 3

BRIDGES

Jan. 11 Seattle, Wash. ..... Dec. 20
Jan. 17 New Orleans, La. ..... Jan. 3
Jan. 22 St. Louis, Mo. ..... Dec. 27
Jan. 22 Lakefield, Ont. ..... Jan. 3
May 1 Tientsen, North China .... Oct. 11

DAMS

Feb. 7 Kingston, N. C. ..... Dec. 27

RAILWAYS

Jan. 3 Missouri ..... Jan. 3
Mar. 18 New Zealand ..... Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Jan. 14 Angleton, Tex. ..... Jan. 3
Jan. 15 Pueblo, Colo. ..... Jan. 3
Adv. Dec. 27 and Jan. 3.
Jan. 15 St. Catharines, Ont. ..... Jan. 3
Jan. 15 Cape May, N. J. ..... Jan. 3
Jan. 17 Rochester, N. Y. ..... Dec. 20
Adv. Dec. 20 to Jan. 3.
Jan. 18 Lake Charles, La. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 24 Baton Rouge, La ..... Jan. 3

STREETS AND ROADS

Jan. 7 Vicksburg, Miss. ..... Dec. 13
Jan. 7 Albany, Ga. ..... Jan. 3
Jan. 8 Breckenridge, Tex. ..... Jan. 3
Jan. 8 Monticello, Ind. ..... Dec. 20
Jan. 9 Del Rio, Tex. ..... Dec. 27
Jan. 9 Cameron, Tex. ..... Jan. 3
Jan. 10 San Angelo, Tex. ..... Dec. 20
Jan. 10 Brooklyn, N. Y. ..... Jan. 3
Jan. 11 Denton, Tex. ..... Jan. 3
Jan. 11 Seattle, Wash. ..... Dec. 27
Jan. 11 Franklin, Tex. ..... Dec. 27
Jan. 14 El Monte, Calif. ..... Jan. 3
Jan. 14 California ..... Jan. 3
Jan. 14 Oilton, Okla. ..... Dec. 13
Jan. 15 Brady, Tex. ..... Jan. 3
Jan. 15 Michigan ..... Dec. 6
Jan. 15 Michigan ..... Dec. 13
Jan. 15 Rock Springs, Tex. ..... Dec. 27
Jan. 15 Louisiana ..... Dec. 27
Jan. 15 Maryland ..... Jan. 3
Adv. Jan. 3.
Jan. 16 Santa Rosa, Calif. ..... Jan. 3
Jan. 22 Louisiana ..... Jan. 3
Jan. 22 St. Louis, Mo. ..... Dec. 27
Jan. 23 Winona, Miss. ..... Jan. 3
Jan. 29 Baton Rouge, La. ..... Jan. 3

Bids Close — See Eng. News-Record

INDUSTRIAL WORK

Jan. 8 Canton, N. Y. ..... Dec. 27
Jan. 15 New York, N. Y. ..... Jan. 3
Feb. 1 Peoria, Ill. ..... Dec. 27
Apr. 30 Wellington, New Zealand .. Dec. 6

BUILDINGS

Jan. 4 Roxbury, (Boston P. O.), Mass. ..... Jan. 3
Jan. 5 Phila., Pa. ..... Jan. 3
Jan. 7 Baltimore, Md. ..... Jan. 3
Jan. 7 Boston, Mass. ..... Jan. 3
Jan. 7 Lebanon, Pa. ..... Jan. 3
Jan. 8 Wilson, N. C. ..... Dec. 20
Jan. 8 Brooklyn, N. Y. ..... Dec. 27
Jan. 8 New York, N. Y. ..... Dec. 27
Jan. 8 Bellaire (Jamaica P. O.), N. Y. ..... Dec. 27
Jan. 9 Baltimore, Md. ..... Dec. 27
Jan. 9 Denver, Colo. ..... Dec. 13
Jan. 10 Baltimore, Md. ..... Jan. 3
Jan. 10 Milwaukee, Wis. ..... Jan. 3
Jan. 10 Salem, Mass. ..... Jan. 3
Jan. 10 Birmingham, Ala. ..... Dec. 13
Jan. 12 Boston, Mass. ..... Nov. 29
Jan. 14 Galveston, Tex. ..... Nov. 29
Jan. 14 Schuylerville, N. Y. ..... Dec. 13
Jan. 14 Galveston, Tex. ..... Dec. 27
Jan. 17 Tyler, Tex. ..... Jan. 3
Jan. 17 Jonesville, Mich. ..... Jan. 3
Feb. 1 Dorchester, Mass. ..... Nov. 29
Feb. 4 Urbana, Ill. ..... Dec. 13
Feb. 4 Columbus, O. ..... Dec. 27

FEDERAL GOVERNMENT WORK

Jan. 9 Scow—Phila., Pa. ..... Dec. 20
Jan. 9 Storage and Recreation—Cape Hatteras, N. C. ..... Dec. 20
Jan. 9 Quarters and Boathouse—Poyners Hill, N. C. ..... Dec. 20
Jan. 9 Underpinning Foundations — Wash., D. C. ..... Dec. 20
Jan. 9 Remodeling—Norfolk, Va. .. Dec. 27
Jan. 10 Steel Hulls — Vicksburg, Miss. ..... Dec. 6
Jan. 14 Clearing Landing — Florence, Ala. ..... Jan. 3
Adv. Jan. 3.
Jan. 15 Filtration Plant, etc.—Wash., D. C. ..... Dec. 20
Adv. Dec. 20 to Jan. 3.
Jan. 16 Scow and Barge—Milwaukee, Wis. ..... Dec. 20
Adv. Dec. 20 to Jan. 3.
Jan. 16 Fuel Oil Storage—Mare Island, Calif. ..... Dec. 6
Jan. 19 Gates—Cincinnati, O. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 21 Post Office—State College, Pa. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 28 Snagboat—Wilmington, N. C. ..... Jan. 3
Adv. Jan. 3.
Jan. 29 Extension—Kansas City, Mo. ..... Jan. 3
Jan. 30 Ward—Great Lakes, Ill. ... Nov. 15
Feb. 6 Storehouse—Pearl Harbor, H. T. ..... Dec. 20

UNCLASSIFIED

Jan. 9 Transmission Towers — San Francisco, Calif. ..... Dec. 20
Jan. 9 Wharf—Pembroke, Ont. ... Dec. 27
Jan. 9 Sprinkler System—Syracuse, N. Y. ..... Jan. 3
Jan. 19 Transformers, etc.—Melbourne, Australia ..... Oct. 18
Jan. 21 Jetty—New Westminster, B. C. ..... Jan. 3
Feb. 11 Transformers and Spares—Melbourne, Australia ..... Jan. 3
Adv. Jan. 3.
Mar. 31 Hopper Dredge — Brisbane, Queensland, Australia ..... Nov. 1
Apr. 30 Headworks—Wellington, New Zealand ..... Dec. 13

MATERIALS AND EQUIPMENT

Jan. 4 Snow Loader — Trenton, N. J. ..... Jan. 3
Jan. 9 San Francisco, Calif. ..... Dec. 20
Jan. 9 Asphaltic Cement, etc.—New York, N. Y. ..... Jan. 3
Jan. 10 Land Dredge—Savannah, Ga. ..... Dec. 27
Adv. Dec. 27 and Jan. 3.
Jan. 14 Pumps—Mont Pelier, O. ... Jan. 3

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford — Water Dept., 1026 Main St., plans to purchase 200 new hydrants. $15,000. C. M. Saville, 1026 Main St., engr.

N. J., Park Ridge—Takes bids about Feb. 15, 13 mi. c.i. mains, 1 steel stand pipe, 2 pumping stations and 2 artesian wells. H. J. Harder, 129 Market St., Paterson, engr.

W. Va., Martinsburg—Plans suction reservoir $12,000, pipe and repairs $13,000, 2 Diesel oil pumping engines and pumps installed $30,000. Will probably note on $100,000 bonds for above project. C. W. Kilbourne, chrm. conr.

Fla., Tampa—Feb. 12, to vote on $100,000 bonds extending mains. R. D. Martin, City Hall, engr.

La., Gibsland—Voted $60,000 bonds for waterworks improvements and electric light plant. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Ill., Girard—Making surveys rein.-con. dam, filtration plant and distribution mains. $100,000. Caldwell Eng. Co., Jacksonville, engrs.

Ill., Carmi—Having surveys made filtration plant, dam in Little Wabash River, and supply lines. $50,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs. Will mature in spring.

Ill., Coulterville—Having surveys made impounding reservoir, pumping equipment and distribution mains. $100,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Ill., Highland—Making preliminary plans 4- to 8-in. mains, etc. $65,000. L. Day, 34 East Grand St., St. Louis, Mo., engr.

Ill., Lebanon—Having preliminary surveys made deep well, pumping equipment and distribution mains. $50,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs. Noted Dec. 27.

Ill., Marissa—Plans impounding reservoir, pumping equipment and distribution mains. $100,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Ill., Pittsfield—Making plans distribution system. $50,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Ill., Villa Grove—Rejected bids new pumping station incl. equipment, 1 motor driven deep well pump, one 20 hp. electric motor, well 630 ft. deep with 15½ in. interior diam. $15,000. Will readvertise. Holbrook, Warren & Van Praag, 416 Millikin Bldg., Decatur, engrs. Noted Dec. 20.

Kan., Cottonwood Falls—City voted $15,000 bonds water distribution system, etc. Private plans.

Kan., Leavenworth—Making plans 6 m.g. filtration plant and other miscellaneous water improvements. To exceed $25,000. A. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Mo., Piedmont — Election Jan. 12 (extended date), to vote on $40,000 bond issue. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, engrs. Noted Dec. 20.

Neb., Dannebrog—Voted $17,400 bonds for waterworks system. H. Hald, city clk.

Neb., Republican—Takes bids in January waterworks improvements. $23,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Tex., Dallas—See "Streets and Roads."

Tex., Lubbock—Making plans waterworks extensions. $25,000. J. B. Hawley, Cotton Exchange Bldg., Ft. Worth, consult. engr. S. Sanders, city engr.

Tex., Lubbock—See "Streets and Roads."

Okla., Okemah—Voted $65,000 bonds for dam, pipe line, equipment and filter units. Holway Engr. Co., Wright Bldg., Tulsa, engrs. Noted Dec. 13.

Waterworks (Continued)

Calif., Glendale — See "Streets and Roads."

Calif., Moorpark—See "Excavation, Drainage, Irrigation."

BIDS DESIRED

N. J., Haledon—Jan. 7 extending water system. H. J. Harder, 129 Market St., Paterson, engr. Noted Oct. 11.

N. C., Conover—Jan. 10, by C. R. Brady, mayor and Bd. Alderman, water supply line from here to Newton and distribution system, also sewerage system incl. 4 mi. 6- to 10-in. sanitary sewer, with all necessary appurtenances. Spoon & Lewis, Greensboro, engrs. Noted Dec. 13.

Mich., River View—Jan. 2, by J. Perry, village clk., R. F. D., Wyandotte, waterworks system incl. distribution and c.i. mains connecting with Wyandotte system. $88,000. R. A. Murdoch, 603 Free Press Bldg., Detroit, engr. Noted Nov. 15.

Ky., Elizabethtown—Feb. 12, by Mayor and City Council, waterworks improvements. To exceed $25,000. Former bids rejected. Noted Nov. 29.

Ind., Bloomington—Jan. 29, at office of Bloomington Water Co., waterworks improvements, incl. dam, pumping station and pipe lines. U. S. Hanna, secy.; adv. E. N.-R. Jan. 3.

Ill., Forest Park — Jan. 4, for rein.-con. reservoir, air lift pump, compressor, pipe for air line, receiving tank, etc., water pipe, gate valves and connections, housing for receiving tank, well and work shop, transformers and transmission lines, etc. H. C. Huxhold, village clk.

Mo., Chillicothe—Jan. 7, by J. L. Schmitzm, secy. Bd. Pub. Wks., constructing reservoir, 5,600 cu.yd. embankment, 28,500 sq.ft. 4 in. rein.-con. paving, etc. E. P. Harper, 3031 Park Ave., Kansas City, consult. engr.

Minn., Moorhead—See "Industrial Works."

Wash., Kelso—Jan. 5, by City Council installing water treating system and additional equipment, removing pumping equipment to new location. $25,000. Former bids rejected. U. G. Jackson, city engr. Noted Sept. 13.

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford, Livonia and Morgan Aves., here, from Grippo Contg. Co., $19,991. Noted Dec. 20.

Wis., Milwaukee—Bd. Pub. Wks. oil removal plant for Riverside pumping station from The Permutit Co., 440 4th Ave., New York City, $6,150 and $1,950; electric freight elevator for above from Heller Elevator Co., 250 Milwaukee St., $3,178.

Wis., New Holstein—See "Sewers."

Minn., St. Paul—H. W. Austin, city purch. agt., Dec. 18, 8,000 lin.ft. 60 in. outside diam. steel pipe, with necessary bends and sleeves, from Lasker Iron Wks., 3201 South Lincoln St., Chicago, Ill., $109,838.

CONTRACTS AWARDED

N. J., Trenton—To Hersey Mfg. Co., 290 Bway., New York City, five hundred ⅝ meters and couplings, $10.97 each, one hundred fifty ⅝ meters an couplings $16.47, and fifty 1 in. meters $24.13.

Wash., Pasco—Intake, pumping plant and mains, to Campbell Constr. Co., Sunnyside; elevated tank to Chicago Bridge and Iron Co., 608 South Dearborn St., Chicago, Ill. Engs. est. $84,000.

N. C., Greensboro—For 7½ mi. c.i. mains between here and city reservoir, to Ocie Dasheall Co., Portsmouth, Va., $72,000. Noted Dec. 13.

Ia., Washington—For 200,000 gal. elevated steel tank, etc., to Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, $14,400. Noted Nov. 22.

Minn., Minneapolis—Bell and spigot pipe, to Amer. Cast Iron Pipe Co. Acipco St., Birmingham, Ala., 50,000 lin.ft. 6 in. 16 ft. lengths, Class C $0.995 per ft., 12,000 lin.ft. 8 in., 16 ft. lengths, Class C, $1,445, 6,000 lin.ft. 12 in., 12 ft. lengths, Class B, $2,285, 1,400 lin.ft. 16 in., 12 ft. lengths, Class B $3.48; to Columbian Iron Wks. 811 Boyce St., Chattanooga, Tenn., two hundred and twenty-five 6-in. gate valves, hub end, Class C $25.62, each, thirty 8-in. gate valves, hub end, Class C, $40.26 each twenty 12 in. gate valves Class B, $76.86 each, also 120 hydrants $88.44 each; to Amer. Brake Shoe Fdry. Co., 37th Ave. N. E. and University Ave., 120 tons special castings, $81.25 per ton. Noted Dec. 20.

Minn., St. Paul—Furnishing and delivering about 2,925 tons Class B c.i. pipe in 12 ft. lengths, as follows: 2,640 pieces 6 in., 2,200 of 8 in. and 880 pieces 12 in., to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $55.66 per ton; 1,320 pieces of 16 in. to Glamorgan Pipe & Fdry. Co., The Rookery, Chicago, Ill., $55.55 per ton; 330 pieces of 20 in. to Amer. Cast Iron Pipe Co., Acipco St., Birmingham, Ala., $55.70 per ton. Noted Dec. 20.

S. D., Madison—Furnishnig 500 lin.ft. 6 in. and 325 ft. 10 in. c.i. pipe, etc., to Amer. Cast Iron Pipe Co., Acipo St., Birmingham, Aia. Noted Dec. 13.

Tex., Dallas—See "Streets and Roads."

Ont., Toronto—For 20,000 lin.ft. 20 in. and up, c.i. pipe to F. Hankin & Co. Ltd., 386 King St. W., $228,220. Engrs. est. $230,000. Noted Dec. 6.

Wash., Seattle—Bd. Pub. Wks., mains in East Northlake Ave. et al., to R. G. Stevenson, 1327 North 34th St., 3,055 ft. 12 in. c.i. pipe $4, 1,575 ft. 8 in. $2.25, total $19,898. Engrs. est. $21,526. Noted Dec. 20.

Ont., Amherstburg—Anderdon Twp. Council, 2 mi. 1½ and 2 in. water pipe, to Duff & Carnahan, Amherstburg, $30,000.

Sewers

PROPOSED WORK

N. J., Lambertville—Making plans sewerage system. $130,000. C. D. Pollock, 13 Park Row, and A. P. Folwell, 243 West 39th St., New York City, engrs.

Pa., Mercer — Boro Council takes bids about Feb. 1, disposal plant. $30,000. J. M. Rice, Oliver Bldg., Pittsburgh, engr.

Fla., Tampa—Feb. 12, to vote on $750,000 bonds extending sanitary and storm sewers. R. D. Martin, City Hall, engr.

O., Warren — Plans Red Run sewerage system. $645,000. E. H. Harvey, city engr.

Mich., Birmingham—Having plans prepared sewage disposal plant and septic tank. $25,000. Ruhling, Holdsworth & Hudson, 16549 Woodward Ave., Detroit, engrs.

Ill., Highland—Making preliminary plans 6- to 16-in. sewers, 2 septic tanks, etc. To exceed $75,000. L. Day, 34 East Grand St., St. Louis, Mo., engr.

Ill., Lebanon — Having preliminary surveys made sewerage system. $75,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Ill., Pittsfield — Having surveys made complete sewerage system, $80,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs. Will mature in spring.

Ill., Teutopolis—Making preliminary plans 8- to 36-in. sewerage system, disposal plant, etc. $25,000. W. A. Fuller Co., 1917 Ry. Exch., St. Louis, Mo., engrs.

Ill., Vandalia—Takes bids in spring 12,000 lin.ft. 8 in. sewers, 35 manholes, etc., $25,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr.

Wis., Green Bay—Buchholz-Schilling Realty Co., East Walnut St., having preliminary plans prepared, 8-10 in. vitr. pipe sewers in subdivision, Allouez Twp. $25,000. H. R. Albert, c/o Courthouse, engr.

Kan., Topeka—Soon takes bid 2 intercepting main sewers for downtown part of city. $100,000. C. A. Haskins, Kansas City, consulting engr., and W. E. Baldry, City Hall, Topeka, city engr. Noted Aug. 16.

Mo., Cameron—Plans sewerage system. To exceed $25,000. Black & Veach, 701 Mutual Bldg., Kansas City, engrs.

Mo., Palmyra—Election Jan. 8, to vote on $15,000 bonds for sewers.

Tex., Dallas—See "Streets and Roads."

Tex., Lubbock—See "Streets and Roads."

Okla., Chickasha—Preparing preliminary plans sewers, outlets, disposal plant and water line from tower to plant. $70,000. J. C. Milliken, Chickasha, engr. Noted Dec. 27.

Calif., Fresno—Plans election to vote on approximately $500,000 bonds storm sewerage system. W. Stranahan, city engr.

Calif., Inglewood—City having plans prepared new sewage disposal system. To exceed $25,000. A. W. Cory, city engr.

Calif., Tulare—Plans election to vote on $125,000 bonds or more for disposal plant. G. S. Lewis, city engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 9, by E. Riegelmann, boro pres., Boro Hall, sewer in 24th Ave. (engrs. est. $37,586) and in East 36th St., $2,244.

N. Y., Long Island City—Jan. 4, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers and appurtenanes in 159th (19th), 116th (Walnut), 117th (Briggs), 94th (Walker Ave.), Sts., Suwanee, Roanoke, Liberty, 107th (Dalrympel) Aves., and westerly side Woodhaven Blvd.

Pa., Nanty-Glo—Jan. 11, by J. M. Carlisle, boro secy., constructing 2,255 lin.ft. 8, 10 and 12 in. sanitary sewers, and 1,080 ft. 6 in. laterals. C. C. Hauth, Trust Bldg., Ebensburg, engrs.

D. C., Wash.—Jan. 25, by Dist. Comrs., 509 Dist. Bldg., constructing 2,600 lin.ft. sewer. Further information Room 427 Dist. Bldg.; adv. E. N.-R. Jan. 3.

N. C., Conover—See "Waterworks."

La., Baton Rouge—Jan. 24, by Comn. Council, storm drains in Goose Hollow, St. Philip and Roseland Terrace Canals, 4,250 cu.yd. Class A concrete, 384,000 lb. steel, etc. J. W. Billingsley, City Hall, consun. engr.

La., Baton Rouge — Feb. 5, by Comn. Counil, sanitary sewers, 4,600 lin.ft. 10 and 24 in. vitr. clay pipe, 520 lin.ft. 36 in. c.i. pipe. J. W. Billingsley, Ciyt Hall, consult. engr.

O., Fostoria—Jan. 30, intercepting sewers, pumping machinery, superstructures, grit chambers, sludge beds, etc., for disposal plant. The J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Jan. 3.

Ind., Tell City — Jan. 15, by Common Council concrete and vitr. brick sewer in Fulton St. with branches in 9th, 11th and Ruben Sts., Resolution 1. $68,764. J. Adams, Jr., city clk.

Mo., St. Louis—See "Excavation, Drainage, Irrigation."

Mo., Versailles—Jan. 15, by E. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas City, lateral sewers, here. $30,000.

Tex., Houston—Jan. 14, by City Comn., for storm sewers in Southmore Addition. $175,000. J. C. McVea, city engr. Noted Dec. 20.

BIDS RECEIVED

Md., Baltimore — Bd. Awards, Dec. 26, 4,200 ft. 8- to 27-in. sewer in Dist. 24 B. Sanitary Contr. 208, from F. B. Carozza, 5209 York Rd., A $139,000 and B $145,997; 6,400 ft. 8- to 48-in. sewers and storm drains, etc., Dists. 50 and G-11, Storm Water Contr. 63, from A. J. Boyle, American Bldg., $48,910. Noted Dec. 20.

Ill., Lewistown—For 13,000 ft. 8-in. vitr. sewer, disposal tank, sludge bed, etc., from W. Anno, Havana, $19,922. Noted Dec. 13.

Wis., Milwaukee—Sewage Comn., 508 Market St., 340 standard manhole frames and covers, from Nortmann-Duffke Co., 27th Ave., $27.50 each.

Wis., New Holstein—Sewer and water sytem, from W. F. Ribbens, Mayville, $106,000. Noted Oct. 11.

Calif., Los Angeles—Bd. Pub. Wks., constructing following sections North Outfall Sewer, 11,050 lin.ft. semi-elliptical sewer, Sect. 4, from Ross Constr. Co., Van Nuys Hotel, $303,300; 15,197 lin.ft. semi-elliptical sewer Sect. 6, from Callahan & Conney, $298,000; 10,906 lin.ft. semi-elliptical sewer, Sect. 8, from L. S. Atkinson, Jr., Chapman Bldg., $249,500, from C. R. Adams, Snelling, using pre-cast concrete type, $137,500; combined bid for all sections from W. E. Callahan Constr. Co., and Smith Bros., Seventh-Hill Bldg., $1,213,000; for Sect. 9, 55,000 vitr. clay sewer lining blocks from Tropico Potteries, Inc., Glendale, $184, 6,002 lin.ft. rein.-con. pipe, 8 ft. 6 in. in diam. with vitr. clay lining, from Western Reinforced Concrete Pipe Co., 1611 East 6th St., $13.50. Noted Dec. 20.

CONTRACTS AWARDED

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, temporary sewers in Clarendon Rd., to Tomasetti & Co., Inc., 1133 50th St., 785% engrs. est. $32,785). Noted Dec. 27.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., reconstructing outlet sewer in lines of (1) 43rd, and (2) 51st Sts. in Flushing Bay, etc., to A. M. Hazell, Inc., 26 Cortlandt St., New York, (1) $35,380; to J. D. Walsh, Inc., 132 4th St., Brooklyn, (2) $44,980. Noted Dec. 20.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in Zulette Ave., to MacDonald & Wilson, $17,937; Findlay Ave., to J. V. Timoney Constr. Co., 220 East 201st St., $11,502; Melville St., to F. Casparine, $41,108; Rhinelander and Wilson Aves., to A. Gregorio & Co., $59,942 and $28,252 respectively. Noted Dec. 27.

La., New Orleans — Sewerage & Water Bd., 425 Carondelet St., sewerage and water improvements during 1924, to J. A. McGowan, 1325 Calhoun St., on percentage basis. Noted Oct. 11.

O., Cincinnati — Constructing sewer in Duck Creek between Williams and Dana Sts., to Cannel & Conrad, 2907 Madison Rd., $194,774.

Sewers (Continued)

O., Cincinnati—Sewers in Marburg Ave., to M. J. Connelly, 326 West Oak St., Ludlow, Ky., $43,000. Noted Dec. 20.

Kan., Great Bend—Sewage system, 16,500 ft. trench 8 ft. deep, 6,300 ft. trench 8- to 12-ft. deep, 11,500 ft. wet trench 0- to 3-ft. of water, also 2,400 lin.ft. 18 in., 4,950 lin.ft. 15 in., and 14,500 lin.ft. 24 in., lock joint rein.-con. pipe, to T. Johnson, Eagle Grove, Iowa, $75,462. Noted Dec. 6.

Mo., Farmington—For 62,862 ft., 8- to 15-in. vitr. pipe sewer, 360 ft. 8- to 15-in. c.i. pipe, disposal plant, etc., to Welp & Zigrang, Bancroft, Iowa, $81,582. Noted Dec. 20.

Tex., Burkburnett—Will build complete sewerage system, by day labor. $50,000. Montgomery & Ward, City Natl. Bank, Wichita Falls, engrs.

Tex., Park Place (Harrisburg P. O.)—Disposal plant and sewers, to General Excav. Co., Magnolia Blvd., Dallas, $94,820. Noted Dec. 13.

Waste Disposal

PROPOSED WORK

Fla., Tampa—Plans garbage incinerator. $30,000. R. D. Martin, City Hall, engr.

Bridges

PROPOSED WORK

Fla., Tampa—Feb. 12, to vote on $250,000 bonds for bridge over Fortune St., $325,000 bonds, bridge over Cass St., and $325,000 bonds, bridge at or near Carew St. R. D. Martin, city engr.

Fla., Tampa—See "Streets and Roads."

O., Akron—Bd. Control takes bids after Jan. 1, rein.-con., steel and stone bridges over canal at Bartges St. $26,000. E. A. Kemmler, city engr.

N. D., Fargo—Northern Pacific Ry., 5th and Jackson Sts., St. Paul, Minn., had plans prepared to replace 190 ft. single track draw span with 2 double track deck girder spans one 83 ft. long and other 93 ft. long, with one 230 ft., and one 300 ft. timber approaches, 407 tons steel, 245,000 ft. lumber, 300 cu.yd. concrete, etc., over Red River, here. $95,000. M. F. Clements, c/o owner, bridge engr.

Mont., Big Horn—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., plans to replace three 155 ft. pin connected trusses for light loading with three 155 ft. pin riveted trusses for heavy loading, here. $95,000. M. F. Clemens, bridge engr.

Mont., Miles City—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., plans to replace two 155 ft. steel trusses through-pin connected for light loading, with two 155 ft. pin-riveted trusses designed for heavy loading, over Tongue River. $70,000. M. F. Clements, c/o owner, bridge engr.

Mo., Kansas City—Bd. Pub. Wks. plans 237 ft. reinforced steel and concrete bridge, two 50 ft. and one 90 ft. spans, over Blue River, at Independence Rd., 40 and 58 ft. roadway, 6 ft. sidewalk on each side, etc. $150,000. J. A. L. Waddell, 400 Graphic Art Bldg., engr.

Tex., Fairfield—See "Streets and Roads."

Tex., Liberty—See "Streets and Roads."

California—See "Streets and Roads."

BIDS DESIRED

La., New Orleans—Jan. 17, by Bd. Port Comrs., Suite 200, New Court Bldg., double deck bridge and approach span for ferry landing at foot of Canal St. J. H. Walsh, genl. mgr.

Mo., Kansas City—See "Railways" under "Missouri."

California—Jan. 14, by State Hy. Comn., Sacramento, 240 ft. bridge, 21 ft. wide between curbs, consisting of three 60 ft. and two 30 ft. rein.-con. girder spans supported on piers and bents, also 0.2 mi. of approaches to be graded, over San Lorenzo Creek near King City. R. M. Morton, state hy. engr.

Ont., Lakefield—Jan. 22, by E. M. Elliott, clk. Peterboro Co., County Bldg., Peterboro, rein.-con. spandrel arch highway bridge with 109 ft. and 84 ft. spans, 20 ft. roadway, 6 ft. sidewalk. $25,000. A. W. Connor & Co., 34 Victoria St., Toronto, engrs.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, Dec. 28, 73 ft. span steel encased in concrete bridge, incl. removing existing bridge, etc., over Passaic River, M. P. 32.2, State Highway Route 16, in municipalities of Bernard and Passaic, Somerset and Morris Counties, from Hoffman Constr. Co., Morristown Rd., Bernardsville, $31,952. Noted Dec. 13.

Tex., Richmond—Fort Bend Co., bridge over Brazes River at Morton St., from J. DePuy, Bedell Bldg., San Antonio, original design piers, $244,427. Engrs. est. $275,000. Noted Nov. 29.

SEWERS—LOUISVILLE, KY.

Following are lowest three bids opened by Sewerage Comrs., Nov. 16, for constructing Dry Run Relief Sewer, Contr. No. 15, (A) H. Bickel Co., 423 Garden St., Louisville, (awarded contract); (B) Cannell-Conrad Co., Louisville; (C) Cement Gun Co., Inc., Allentown, Penn. The unit bids were as follows:

	A	B	C
16,500 cu.yd. earth excavation and refill	$2.40	$2.72	$2.65
280 cu.yd. earth excavation and refill	10.00	9.50	16.00
1,370 cu.yd. earth excavation and refill	2.40	3.72	3.40
1,470 cu.yd. earth excavation and refill	2.40	3.72	3.50
1,540 cu.yd. class A concrete masonry	18.00	21.80	23.00
35 cu.yd. class A concrete masonry	33.00	30.00	35.00
575 cu.yd. class A concrete masonry	25.00	34.90	28.00
18 cu.yd. class A concrete masonry	36.00	34.90	46.50
250 cu.yd. class C concrete masonry	18.00	12.00	14.60
200 cu.yd. hydrated lime	.75	.99	.80
10 cu.yd. brick masonry	30.00	30.00	34.20
239,400 lb. reinforcing bars	.062	.045	.06
300 cu.yd. earth excavation below sewer	1.00	3.00	3.00
300 cu.yd. gravel refill below sewer	.50	3.00	3.30
24 in. and less $2,528.54 A.S.T.M. clay pipe	37%	40%	34%
30 in. $72.00 A.S.T.M. clay pipe	10%	20%	00%
$345.00 pipe for underdrain	47%	40%	36%
200 ft. 6 in. laying with cement mortar	.50	1.00	.16
10 ft. 12 in. laying with cement mortar	.50	1.00	.32
10 ft. 15 in. laying with cement mortar	.60	1.00	.40
265 ft. 18 in. laying with cement mortar	.72	1.00	.50
275 ft. 24 in. laying with cement mortar	.96	1.00	.60
10 ft. 30 in. laying with cement mortar	1.50	2.00	1.00
300 ft. 6 in. laying underdrain	.40	1.00	.40
300 ft. 8 in. laying underdrain	.45	1.00	.50
10 M.ft. b.m. sheeting, bracing	40.00	50.00	40.00
2,200 sq.yd. water bound macadam	1.50	1.25	1.70
310 sq.yd. vitrified block	6.75	5.00	5.50
80 sq.yd. brick sidewalk	2.20	1.00	1.50
Overflow chamber (lump sum)	400.00	400.00	400.00
2 ft. 9 in. x 4 ft. sanitary connection (lump sum)	100.00	100.00	100.00
9 ft. sewer and junction chamber (lump sum)	500.00	500.00	500.00
Clay St. sewer (lump sum)	100.00	100.00	100.00
Shelby St. sewer (lump sum)	100.00	100.00	100.00
Beargrass intercepter (lump sum)	1,250.00	1,250.00	1,250.00
15 in. V. P. sewer in Ky. St. (lump sum)	550.00	550.00	550.00
House drains (lump sum)			
Outlet structure (lump sum)	1,100.00	1,100.00	1,100.00
5.6 T. 24 in. A.S.T.M. c.i. pipe	67.00	75.00	76.00
24.5 T. 36 in. A.S.T.M. c.i. pipe	67.00	75.00	76.00
48 ft. 24 in. laying c.i. pipe	2.40	15.00	1.45
108 ft. 36 in. laying c.i. pipe	3.60	15.00	1.75
Cleaning up (lump sum)	100.00	500.00	350.00
Progress and completion, $25 per day			
Extended totals	$133,722.00	$149,233.00	$151,911.00

SEWERS—MILWAUKEE, WIS.

Bids were opened by Sewerage Comn., Nov. 2, for installing sewers in various streets, from (A) Hammen & Co., 516 Garfield Bldg., Detroit, Mich., (awarded contract); (B) H. Hohensee, Ludington Ave., Wauwatosa; (C) Wenzel & Henoch Co., 498 27th St., Milwaukee. The unit bids were as follows:

	A	B	C
3,950 ft. 84 in. concrete sewer	$58.40	$54.87	$57.87
4,712 ft. 78 in. concrete sewer	52.65	53.87	55.87
295 ft. 60 in. concrete sewer	39.50	34.00	53.00
1,112 ft. 30 in. concrete sewer	26.50	31.00	33.00
927 ft. 24 in. terra cotta sewer	25.00	28.00	19.87
250 ft. 18 in. terra cotta sewer	25.00	18.00	19.00
75 ft. 12 in. terra cotta sewer	25.00	17.00	15.00
750 standard manholes	25.00	32.00	32.00
150 drop manholes	35.00	35.00	37.00
Extended totals	$575,187	$576,055	$598,021

SEWERS—DES MOINES, IOWA

Bids were opened by City Clk., Oct. 15, for installing Southwest Sewerage System, from (A) C. G. Herrick, Des Moines; (B) Royer & Craig, Des Moines. The unit bids were as follows:

	A	B
14,511 ft. 48 in. sewer	$21.40	$20.50
2,874 ft. 45 in. sewer	22.50	22.95
2,713 ft. 42 in. sewer	22.00	23.95
698 ft. 36 in. sewer	8.00	10.00
6,106 ft. 30 in. sewer	7.60	7.25
1,198 ft. 27 in. sewer	5.17	6.00
13,386 ft. 24 in. sewer	5.45	4.90
1,007 ft. 21 in. sewer	2.89	3.51
1,091 ft. 18 in. sewer	2.50	3.22
15,533 ft. 15 in. sewer	1.40	2.07
11,633 ft. 12 in. sewer	1.00	1.89
1,156 ft. 10 in. sewer	1.00	1.49
Dry weather outfall, complete (lump sum)	5,500.00	5,000.00
Inverted siphon, complete (lump sum)	9,000.00	12,000.00
100 cu.yd. rock excavation	13.00	15.00
50 cu.yd. concrete	16.00	25.00
4,000 lb. steel	.04	.06
Cinder or gravel foundation for 48 in. sewer (lump sum)	400.00	400.00
Cinder or gravel foundation for 45 in. sewer (lump sum)	700.00	400.00
Cinder or gravel foundation for 42 in. sewer (lump sum)	100.00	100.00
Cinder or gravel foundation for 36 in. sewer (lump sum)	50.00	100.00
Cinder or gravel foundation for 30 in. sewer (lump sum)	50.00	100.00
Cinder or gravel foundation for 27 in. sewer (lump sum)	50.00	100.00
Cinder or gravel foundation for 24 in. sewer (lump sum)	510.00	250.00
Cinder or gravel foundation for 21 in. sewer (lump sum)	25.00	100.00
Cinder or gravel foundation for 18 in. sewer (lump sum)	25.00	100.00
Cinder or gravel foundation for 15 in. sewer (lump sum)	50.00	40.00
Cinder or gravel foundation for 12 in. sewer (lump sum)	50.00	10.00
Cinder or grave. foundation for 10 in. sewer (lump sum)	25.00	10.00
Extended totals	$626,909	$638,980

Bridges (Continued)

Calif., Los Angeles — See "Streets and Roads."

CONTRACTS AWARDED

Wis., Milwaukee — Park Bd., City Hall, wooden piling for bridge on Mason St., to W. F. Tubesing Co., 373 Bway., $76,509. Noted Dec. 13.

Kan., Phillipsburg — See "Streets and Roads."

Tex., Beaumont—Jefferson Co. 3,219 ft. bridge over Neches River, one 240 ft. swing span and two 125 ft. steel approach spans, twelve 38 ft. concrete deck girder spans, etc., to Brown Abbott Co., Inc., Wilson Bldg., and Smith Bros., Inc., Amer. Natl. Exch. Bank Bldg., Dallas, $326,021. Former contract rescinded. Noted Dec. 20.

Tex., Cleburne—Johnson Co., 360 ft. concrete girder bridge, with twelve 30 ft. spans over Buffalo Creek, near here, to McClung Constr. Co., Sherman, $21,047. Engrs. est. $27,000. Noted Dec. 20.

Tex., McKinney—Collin Co., 6 bridges on State Highway 6, 1,107 ft. concrete girders and steel spans incl. forty-three 20 ft., one 80 ft., four 31 ft. and one 43 ft. spans, to Brown-Abbott Co., Inc., Wilson Bldg., Dallas, $81,447. Noted Dec. 6.

Tex., Palestine — See "Streets and Roads."

Dams

PROPOSED WORK

Minn., Fond du Lac—See "Unclassified" under Minnesota.

Wash., Lake Cushman—City of Tacoma had plans prepared and takes bids about Feb. 1, dam, 1st unit of hydro-electric plant in connection with Lake Cushman power project. Will sell $4,000,000 bonds Jan. 21. J. L. Stannard, City Hall, Tacoma, ch. engr. of Lake Cushman Power Project. Noted Nov. 1.

N. S., East River Sheet Harbor—See "Unclassified."

BIDS DESIRED

Ind., Bloomington—See "Waterworks."

Colo., Pueblo—See "Excavation, Drainage, Irrigation."

Railways

PROPOSED WORK

North Carolina—Norfolk Southern R.R., Norfolk, Va., plans refrigerating plant and enlargement of yards at Star, also construction of long sidings and passing tracks at Eagle Springs, West End, Candor, Norwood and Wadesboro. F. L. Nicholson, Norfolk, Va., ch. engr.

Texas — Artesian Belt Ry. Co., Artesia Wells, plans 8 mi. standard railroad from Pulliam, Tex., to asphalt beds west of city. $40,000.

BIDS DESIRED

Missouri—Jan. 3, by M. Raming, city purch. agt., Kansas City, grading for railroad siding ¾ mi. long, ½ mi. electric railroad, also 16 ft. span, rein.-con. bridge on track, just north of Kansas City. Fuller & Maitland, 201 Walsix Bldg., Kansas City, engrs.

Colorado—See "Excavation, Drainage, Irrigation" under Pueblo.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., West Palm Beach—Lake Worth Inlet Dist. voted $125,000 bond issue to construct inlet to connect Lake Worth with Atlantic Ocean. C. Holsblaw, West Palm Beach, engr.

Miss., Jackson—See "Streets and Roads."

Calif., Bakersfield—Kern River Water Storage Dist. plans irrigation system for 250,000 acres of land. $15,000,000. W. H. Hull, pres. Noted Nov. 29.

Calif., Bieber — Big Valley Irrigation Dist., plans irrigation system, reservoirs in Round Valley and Jess Valley. To exceed $25,000. Bonds in excess of $25,000 will be voted to finance construction. Engineer not selected.

Calif., Montague—Klamath—Shasta Valley Irrigation Dist. election in February to reorganize district and vote on bonds for construction of works to irrigate approximately 30,000 acres.

Calif., Moorpark—Moorpark—Conejo Irrigation Dist. plans irrigation system embracing approximately 28,000 acres, incl. pipe lines, wells and pumping plants, etc. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engrs.

N. S., East River Sheet Harbor—See "Unclassified."

BIDS DESIRED

N. J., Cape May—Jan. 15, by Bd. Commerce and Navigation, State House, Trenton, redredging section of inland waterway in Grassy Sound Channel, Richardson's Channel and Suaires Channel, Cape May Co., V. Gelineau, 1 Exchange Pl., Jersey City, dir. H. J. Sherman, 501 Cooper St., Camden, engr.

Mo., St. Louis — Jan. 29, by Bd. Pub. Wks., 5,657 ft. partially lined open channel, 40 ft. wide at bottom, 100 ft. wide at top and 20 ft. deep; closed sanitary sewer 84 in. diameter, 12- to 84-in. laterals, sanitary sewer of brick or 2-ring segmental block, Sect. A, River Des Peres. $346,000. W. W. Horner, City Hall, engr. Noted Dec. 13.

Tex., Angleton—Jan. 14, by Bd. Comrs. San Bernard D. D. 9, 15 mi. ditch, 135,000 cu.yd. excav. in Brazoria Co. $30,000. T. J. Arrington, Angleton, engr.

Colo., Pueblo—Jan. 15, by Pueblo Conservancy Dist., construction of relocated river channel and relocation of 35 mi. railroad yard tracks, also barrier dam 6 mi. west of here. E. D. Spruill, secy.; adv. E. N.-R. Jan. 3. Noted Nov. 1.

Ont., St. Catharines—Jan. 15, by J. W. Pugsley, secy. Dept. Rys. & Canals, Parliament Bldg., Ottawa, Sect. 8, Welland Ship Canal, earth and rock excav., mass and rein.-con., reinforcing and structural steel, canal gates, etc. $5,000,000. W. A. Bowden, ch. engr.

CONTRACTS AWARDED

Ill., Eureka—Comrs. Rome View, Levee & D. D., Sect. 1, 1,457,358 cu.yd. floater work, Sect. 2, 243,215 cu.yd. dry land work, and Sect. 3, 207,530 cu.yd. internal drainage floater work in Woodford Co., to E. Gillen Constr. Co., Havana, $0.14 per cu.yd., total $267,134. Noted Dec. 13.

Streets and Roads

PROPOSED WORK

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., rejected bids granite block repaving West Bway. Will readvertise. Noted Dec. 27.

N. Y., Norwich—Chenango Co. plans constructing 3 mi. roads, 24 short lengths, all connecting links. $100,000. E. B. Pendleton, co. surveyor.

N. Y., Pen Yan—Yates Co. plans constructing Roads 320, A and B, and Lake Rd., 16- to 18-ft., $50,000. Will mature in spring. Engineer's name withheld.

N. J., Trenton—Mercer Co. plans concrete road from Houghs Corner to Grand Ave., 20 ft. $77,000. H. F. Harris, co. engr.

W. Va., Beckley—Raleigh Co., election Jan. 23, to vote on $400,000 bonds improvements in Slab Fork Dist. Election Oct. 16 declared illegal. W. J. Lampbou, Beckley, engr.

W. Va., Parkersburg—City Council takes bids paving 10 streets, vitr. brick. $76,000. J. V. Dunbar, Parkersburg, engr.

Fla., Bradentown—Voted $43,000 bonds for paving various streets. Kirby & Myler, Bradentown, engrs. Noted Dec. 6.

Fla., Brooksville — Hernando Co. voted bonds for road construction as follows: $75,000 for 12 mi. road Spring Lake to Pasco Co. line; $72,000 for 12 mi. road Pettaway farm at Spring Lake to Richland; $44,500 for 7¾ mi. road from Spring Lake and Richland Rd. to Pasco Co. line and Rerdell Rd.; $78,000 for 12 mi. road from Brookville to Citrus Co., through Annullalaga; $25,000 for 3 mi. road from southwest corner Lykesplace to North St.; $25,000 for 4 mi. road from Kitchen's corner northwest to Annullalaga Rd.; $25,000 for 4¾ mi. Brookville via Springstead Place east and south; $30,500 for 5 mi. road from Brooksville easterly; $36,000 for 10 mi. road from Spring Hill Rd. and from Holwig Church via Rock Hill school Istachatta to Citrus Co.; $29,500 for 4 mi. road from No. 5, north of Brooksville to Tucker Hill. Noted Dec. 6.

Fla., Madison—Voted $60,000 bonds for paving various streets. Noted Nov. 29.

Fla., Tampa—Feb. 12, to vote on $111,000 bonds for opening, widening and repaving Lafayette St., and constructing viaduct. R. D. Martin, City Hall, engr.

Fla., Tampa—See "Unclassified."

Fla., Wauchula—Hardee Co. voted bonds as follows: $27,000 for road from Stevens Mill to Yankatown and Zolfo River bridge west; $31,500 for road 1 mi. east of Moffits and from Peace River via Bonds Corner to Papach School; $27,000 for 3 mi. road from Gardner east; $36,000 for road from Buchanan to Sweetwater; $73,000 for road from Zolfo to Crewsville; $105,500 for 12.75 mi. road from Ona Station to Lilly; $36,000 for road west 2 mi. from Carrollton Corner to 2 mi. south from Williams Corner; $107,000 road through Bowling Green to Fort Green Springs; $27,000 road from Wauchula east 3 mi. and from Griffin Pt. to Zolfo; $330,000 road from Ona to Highland Co. line. Noted Nov. 8.

Fla., Wauchula—Hardee Co. election Jan. 18, to vote on $800,000 bonds repaving various roads.

Miss., Jackson — Voted $250,000 bonds paving, eliminating grade crossings, widening Town Creek channel, etc. Noted Dec. 6.

Louisiana—State Bd. Educ., Baton Rouge, plans to expend $1,712,000 during coming 2 years for six state institutions, as follows: Normal College at Natchitoches, 1924-1925 $250,000, 1925-1926 $300,000, Favrot & Livaudais, Hibernia Bldg., New Orleans, archts.; Southwestern Louisiana Institute at Lafayette, 1924-1925 $177,500, 1925-1926 $190,000, M. H. Goldstein, Hibernia Bldg., New Orleans, archt.; Polytechnic Institute at Ruston, 1924-1925 $300,000, 1925-1926 $175,000, J. W. Smith, Munroe, archt.; School for the Blind at New Orleans, 1924-1925 $25,000, E. Weil, Whitney Annex, New Orleans, archt.; School for the Deaf, 1924-1925 $85,000, 1925-1926 $85,000; Southern University at New Orleans, 1924-1925 $62,000, 1925-1926 $62,000.

Ky., Louisville—Bd. Park Comrs. plans rock asphalt or concrete surfacing 4.5 mi. Western Parkway, 60- to 80-ft. $270,000. G. W. Schardein, pres.

O., Columbus—Making plans improving 10,319 ft. High St. and 1,661 ft. Spring St., by widening roadway 3 ft. on each side, setting back curb, and paving gutters with brick, etc. $102,816 and $36,221 respectively. R. H. Simpson, city engr.

O., Cincinnati—Plans paving Main St. from 4th to Front Sts. $53,800. F. Krug, city engr.

O., Dayton—Plans paving with 5,000 sq. yd. Herman Ave., brick on concrete; 4,000 sq.yd. rein.-con. in 3 alleys. $26,000. J. F. Hale, city engr.

Ill., Granite City—Plans grading and rein.-con. surfacing 16 blocks 1st, 13th and 20th Sts., 30 ft. Private plans.

Ill., Marion—Plans grading and rein.-con. surfacing 2.600 ft. Main St., etc. $25,000. G. F. McCarty, city engr.

Ill., Mt. Olive—Making plans grading, surfacing probably with rein.-con., approximately 8,000 ft. various streets. $75,000. Holbrock, Warren & Van Praag, 418 Milliken Bldg., Decatur, engrs.

Ill., Pittsfield — Making plans grading and paving 10,000 ft. various streets, brick on concrete. $100,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Ill., Vandalia—Making preliminary plans grading, paving with rein.-con., asphaltic concrete, brick or bituminous, laying concrete integral curb and gutter, approximately 9,600 ft. 6th, 7th, 8th, Randolph, North, Gallatin and Remann Sts., 28 ft., $95,000-$100,000. Will mature in spring. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr.

Wis., Green Bay — Buchholz-Schilling Realty Co., East Walnut St., having preliminary plans prepared concrete paving in subdivision, Allouez Twp. $25,000. H. R. Albert, c/o Courthouse, engr.

Kan., Hays—Takes bids in spring improving 90 blocks, Grand Ave., Crawford, Second, Perry, 4th, 5th, 6th, 7th, Fort, Wilson, Bway., Evergreen, South Chestnut, Oak, and Grand Sts. To exceed $200,000.

Kan., Leavenworth—Takes bids in spring grading and paving 16 blocks Olive, Thornton, Kansas, Grand, Bway., Randolph, Elm, and Ohio Sts., Columbia St. between Michigan and Kansas Sts., and Columbia St., from Spruce St. 300 ft. north, all 24 ft. $50,000. W. V. Thomas, city engr.

Ark., Harrison — Making preliminary plans grading and surfacing with rein.-con. or asphalt on concrete, 12 blocks down-town district, 20 ft. To exceed $40,000.

Ark., Malvern—Making preliminary plans about 10,000 sq.yd. rein.-con. paving. $25,000. W. Donathan, Malvern, engr.

Tex., Alice—Jim Wells Co. making plans grading, surfacing with gravel and bituminous macadam 65 mi. State Highway 12 A

Streets and Roads (Continued)

from San Patricio Co. line to Brooks Co. line, 18 ft. $1,230,000. L. W. S. Mantel, co. engr.

Tex., Anderson—Grimes Co. voted $200,000 bonds grading and surfacing Iola Dist. also $175,000 bonds grading and surfacing Bedias Dist. R. M. West, co. judge. Noted Dec. 13.

Tex., Baird—Callahan Co. making plans and surveys grading and surfacing with bituminous macadam 33 mi. Bankhead Highway from Eastland Co. line to Taylor Co. line, 18 ft. $562,000. T. H. Webb, co. engr.

Tex., Bay City—Matagorda Co. making plans grading and gravel surfacing 4.85 mi. Matagorda Rd., from Bay City to Rd. Dist. 8, 16 ft. $39,000. E. N. Gustafson, co. engr.

Tex., Brownsville — Cameron Co. voted $660,000 bonds hard surfacing road from here to Pt. Isable. W. O. Washington, co. engr. Noted Dec. 20.

Tex., Dallas—See "Unclassified."

Tex., Dallas—Making plans gravel surfacing 3 mi. White Rock Rd., around White Rock reservoir, 20 ft., $30,000; paving with bituminous types and storm sewers in Lindsey Ave., $50,000 plus. E. A. Kingsley, city engr.

Tex., Dallas—Cedar Crest Addition making plans paving, sewers, water, etc. $250,000. Koch & Fowler, Central Bank Bldg., engrs.

Tex., Del Rio — Plans paving various streets. $100,000. Address Mayor.

Tex., Fairfield—Freestone Co. voted $1,000,000 bonds for Dallas-Houston and Palestine-Waco Rds., also bridge over Trinity River at Anderson County line. Federal Aid appropriates $800,000 towards cost. F. Roper, co. judge. Noted Nov. 29.

Tex., Gonzales—Gonzales Co. voted $125,000 bonds, hard surfacing Rd. Dist. 5. J. G. Kirby, Gonzales, engr. Noted Nov. 29.

Tex., Liberty—Liberty Co. making plans grading, gravel surfacing and bridging 16.5 mi. State Highway 35, from Cleveland to Trinity Co. line, 16 ft. $147,000. W. C. Youngs, Dayton, co. engr.

Tex., Lone Oak—Voted $50,000 bonds for paving, sewers and waterworks. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs. Noted Nov. 29.

Tex., Lubbock—Making plans paving and storm sewers. $350,000. J. B. Hawley, Cotton Exchange Bldg., Ft. Worth, consult. engr. S. Sanders, city engr. Noted Dec. 13.

Tex., Lubbock—J. Hess having plans prepared paving and watermain extensions in 100 acre Hess Addition. $250,000. Myers & Noyes, Mercantile Bank Bldg., Dallas, engrs.

Tex., Palo Pinto — Palo Pinto Co. vitr. brick paving 35,149.98 sq.yd. State Highway 1, 18 ft., to Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, $50,967; 42,180 lin.ft. concrete curbing on above road, to McClung Constr. Co., Sherman, $21,933. Engrs. est. $80,190. Noted Dec. 20.

Tex., San Angelo—Soon takes bids gravel paving Bishop, Harris and Pecos Sts. $50,000. M. Barfield, city secy.

Tex., Seguin—Guadalupe Co. voted $24,000 bonds to be supplemented by State and Federal Aid for surfacing with bituminous topping 15.2 mi. State Highway 3, 16 ft. $90,000. L. W. Taylor, Seguin, engr.

Tex., Wichita Falls—Wichita Co. having plans prepared grading and concrete surfacing Bates Section, State Highway 30, 18 ft. $263,000. J. M. Isbell, co. engr.

Okla., Muskogee—Soon takes bids 10,000 sq.yd. vitr. brick paving. $50,000. J. R. Marsh, Muskogee, engr.

Okla., Pauls Valley—Garvin Co. election Jan. 4, to vote on $750,000 bonds for hard-surfacing 70 mi. roads. Noted Nov. 29.

Okla., Purcell—McClain Co. election Jan. 7 to vote on $55,488 bonds grading and paving 200,000 sq.yd. highway across Goldsby and Johnson Twps., 60,000 cu.yd. W. C. Burnham, Capitol Bldg., Oklahoma City, engr.

Ariz., Phoenix—Having surveys made paving 8 mi. Tombstone-Bisbee Rd. H. Rieger, city engr.

California—State Hy. Dept., Sacramento, plans 1¾ mi. state highway on Mt. St. Helena, Lake Co., also 2 bridges on above project which will be financed by Lake Co. R. M. Morton, Forum Bldg., state highway engr.

Calif., Eureka — Humboldt Co. plans road from Willow Creek to Klamath River at Weitchped $35,000; widening and improving road on Peninsula between Arcata and Somoa $25,000; Lord-Ellis Road in Rd. Dist. No. 3 $30,000; road from Grizzly Creek to Bridgewille $40,000; road from Capetown to Petrolia $40,000. A. J. Logan, co. surveyor.

Calif., Glendale—Plans made improving Concord, Patterson, Fairmount Sts., etc., 83,600 sq.ft. grading, 2,450 lin.ft. curbing, 12,350 sq.ft. walks, 150 sq.ft. 5 in. concrete gutter, 59,935 sq.ft. 3 in. macadam pavement, 1,020 ft. 8 in., 658 ft. 4 in., and 93 ft. 6 in. Class B water pipe; also improving Windsor Rd. between Garfield and Los Angeles Sts., and Thompson Ave. between Glenwood and Kenneth Rds., 153,375 sq.ft. grading, 91,550 sq.ft. 5 in. and 27,018 sq.ft. 3 in. macadam pavement, 2,080 lin.ft. 4 in. class B water pipe, 2,070 lin.ft. class B curbing, 10,304 sq.ft. walks, 4,155 sq.ft. concrete gutter. B. F. Dupuy, city engr.

Calif., Glendale—City had plans prepared improving Watson St. and Elen Ave., 3,648 lin.ft. concrete curbing, 103,880 sq.ft. grading, 14,370 sq.ft. 5 in. and 38,670 sq.ft. 3 in. oil macadam pavement, 4,810 sq.ft. concrete gutter, 990 lin.ft. 6 in. and 1,320 lin. ft. 4 in. c.i. water pipe. B. F. Duprey, city engr.

Calif., Los Angeles — Plans election to vote on approximately $400,000 bonds for grading, concrete curbs, gutters, walks, and paving streets in Municipal Improvement Dist. 21.

Calif., Los Angeles—Plans made improving Vine St. between Yucca and Melrosee Sts., 506,133 sq.ft. 7 in. concrete pavement, 1,800 sq.ft. asphalt pavement, 12,086 sq.ft. 2 in. bituminous base pavement, 10,431 lin. ft. concrete curbing, 52,242 sq.ft. walks, etc.

Calif., Oakland—Had plans prepared improving Fifth St. between Jefferson and Cypress Sts., 202,727 sq.ft. grading, 707 lin.ft. concrete curbing, 6,299 lin.ft. curbing with steel guard, 100 lin.ft. curbing to be reset, 7,873 sq.ft. concrete gutter, 194,754 sq.ft. 6 in. concrete base with 2 in. Warrenite bituminous surface, 485 lin.ft. 8 in. sewer; also portions of Bartlett and Lynde Sts., and 27th St. from 9th St. northeast, 94,117 sq.ft. grading, 3,148 lin.ft. concrete curbing, 6,275 sq.ft. concrete gutter, 48,183 sq.ft. oil macadam pavement; 18,270 sq.ft. cement walks. W. W. Harmon, city engr.

Calif., Riverside—Riverside Co. had plans prepared paving approximately 8 mi. Nuevo-Lakeview Rd., macadam and resurfacing 12 mi. road with 2 in. oil bound macadam. $70,000. L. Nafager, co. engr.

Calif., San Diego—Making plans paving Alameda Place and other streets, 1½ in. bituminous concrete asphalt top, 1,252 sq. yd. 4 in. and 12,320 sq.yd. 5 in. concrete, 879 ft. 6 in. concrete sewer; Columbia St., 3,524 sq.yd. 4 in. concrete, and 30,186 sq. yd. bituminous concrete; San Marcus and other streets in Burlingame, and 2 in. sheet asphalt wearing surface on 4 in. portland cement. F. A. Rhodes, City Hall, co. engr.

Calif., Santa Rosa—Sonoma Co. making plans paving 9 mi. Sebastopol to Pocket Hill Canyon highway, 18 ft., 5 in. Willite. E. A. Peugh, Santa Rosa, co. surveyor.

Calif., Santa Rosa—Sonoma Co. rejected bids grading approximately 38 mi. Mendocino-Jenner Highway, 240,000 cu.yd. excav., etc. Noted Dec. 6.

Ont., London—Takes bids about April 1, paving Askin Ave., asphalt on concrete. $30,000. W. A. Near, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 10, by F. D. Gallatin, pres. Park Comrs., Municipal Bldg., New York, grading, paving with sheet asphalt on concrete, etc., main roadway of Eastern Parkway.

Maryland—Jan. 15, by State Rds. Comn., Baltimore, paving 1.72 mi. State Highway in Baltimore City, Contr. BC-41, sheet asphalt. J. N. Mackall, chn. adv. E. N.-R. Jan. 3.

HIGHWAY—CALIFORNIA

Bids were opened by State Highway Comn., Sacramento, Dec. 3, for constructing highway from Redding to Bayha, Shasta Co., (A) Fredrickson & Shannon, Cary Bldg., Fresno; (B) Kaiser Paving Co., Oakland; (C) Blanco & Taylor, Vallejo. The unit bids were as follows:

	A	B	C
69,000 cu.yd. roadway embankment, without classification	$0 81	$1 00	$1 15
33,000 sta. yd. overhaul	02	02	02
600 cu.yd. structure excavation without classification	1 65	2 00	1 50
52,150 lin.ft. subgrade (preparing and shaping)	24	16	50
22,220 cu.yd. class "A" Portland cement concrete (pavement)	14 20	14 75	15 50
310 cu.yd. class "A" Portland cement concrete (culverts and monuments)	24 50	35 00	45 00
164 lin.ft. 12 in. corrugated metal pipe	85	1 00	1 00
1,434 lin.ft. 18 in. corrugated metal pipe	1 25	1 15	1 50
66 lin.ft. 24 in. corrugated metal pipe	1 75	2 00	2 00
Hauling and setting 84 monuments	2 50	2 00	2 50
3,375 cu.yd. class "A" Portland cement concrete (pavement), ¼ width construction	1 00	1 00	1 00
Extended totals	$398,807	$423,287	$471,377

Ga., Albany—Jan. 7, at City Hall, constructing 7 blocks North Jefferson St., 15,430 sq.yd. 1½ in. sheet asphalt, 1,200 tons binder. P. F. Whittier, dir. Pub. Wks.

Louisiana—Jan. 22, by State Hy. Comn., Reymond Bldg., Baton Rouge, 5 mi. Project 379, Sect. A Opelousas-Oakdale Highway, 11.5 mi. Project 380, Sect. A, Eunice-Lecompte Highway, and 9.18 mi. Project 379, Sect. B, Opelousas-Oakdale Highway. J. M. Fourmy, ch. engr.

La., Baton Rouge—Jan. 29, by Comn. Council, paving 16 streets, 102,269 sq.yd. asphaltic concrete, brick, sheet asphalt, or Warrenite bitulithic, on concrete, etc. J. W. Billingsley, City Hall, consult. engr.

Miss., Winona—Jan. 23, by Montgomery Co. at Court House, grading and gravel surfacing 12.026 mi. Federal Aid Project 19, 18 ft. $172,839. H. C. Dietzer, c/o State Highway Dept., Jackson, engr.

Mo., Kansas City—See "Railways" under "Missouri."

Tex., Brady—Jan. 15, by E. J. Adkins, judge. McCulloch Co. grading and gravel surfacing, etc. 4.64 mi. State Highway 9, Federal Aid Project 419, 16 ft. $47,828. E. A. Burrows, co. engr. Noted Dec. 20.

Tex., Breckenridge — Jan. 8, by City Com., paving 50 blocks various streets, brick and bituminous types. $75,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Tex., Cameron—Jan. 9, by J. T. Kemp, judge Milam Co. grading and paving, etc. 11.38 mi. State Highway 43, 16 ft., 2,179 cu.yd. 1:2:4 concrete. $90,250. A. F. Mitchell, co. engr.

Tex., Denton—Jan. 11, by B. C. Jackson, judge Denton Co. grading and gravel surfacing 5.59 mi. State Highway 39, State Aid Project 453, 16 ft. $46,500. H. T. Brewster, co. engr.

Tex., Galveston—Taking bids rock asphalt paving 25th St. from Ave. F to Sea Wall. $75,000. C. A. Holt, city engr. Noted Sept. 13.

Tex., Houston—Receiving bids paving McKinney Ave. from Chenevert St. to Belt and Terminal R.R. tracks, Bell St. from Louisiana to Crawford Sts., bituminous types or brick. $75,000. J. C. McVea, city engr.

Okla., Davis—Jan. 10, by F. L. Crossett, city clk., grading and paving 3 blocks Main St., 6,600 sq.yd. concrete, 2,700 lin.ft. curbing, 2,600 cu.yd. excav. $29,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs. Noted Sept. 27.

Okla., Pawhuska—Taking bids grading, curbing and paving 5 blocks Lynn Ave. from High School to Hospital, 5,600 sq.yd. asphalt, $28,000. J. W. Buckley, Pawhuska, engr. Noted Oct. 25.

Calif., El Monte—Jan. 14, improving Columbia, Tyler, Utah and Washington Sts., etc., 13,303 lin.ft. curb, 46,558 sq.ft. concrete pavement, 25,124 sq.yd. cement concrete pavement, 8,329 lin.ft. sewers, 8,540 cu.yd. excav. without curbs, 9,617 cu.yd. excav. incl. curbs, etc.

California—Jan. 14, by State Hy. Comn., Sacramento, 8.2 mi. grading, and 3.5 mi. paving with Portland cement concrete, State Highway Project, Orange Co. R. M. Morton, Forum Bldg., Sacramento, state highway engr.

Calif., Auburn—Receiving bids grading and paving 276,000 sq.ft. High St., etc. To exceed $45,000. J. Barieau, city engr.

Calif., Lodi—City Trustees taking bids improving Garfield and Harold Sts., 217,031 sq.ft. grading, average depth of cut 4 in.; 206,590 sq.ft. 2½ in. asphaltic concrete base; 1½ in. Warrenite Bituminous surface pavement; 16,060 sq.ft. concrete gutter and 12,848 lin.ft. concrete curbing. Noted Dec. 27.

Streets and Roads (Continued)

Calif., Riverside—Supervs. Riverside Co., taking bids 96 ft. 12 in., and 212 ft. 18 in. corrugated culvert pipe, 698,000 sq.ft. 5 in. macadam paving, 5,000 cu.yd. grading, 27 cu.yd. A concrete in culverts, and 32 cu.yd. A concrete in paving, in Rd. Dist. Improvement 14.

Calif., Santa Rosa—Jan. 16, by Supervs. Sonoma Co., grading approximately 38 mi. Jenner-Mendocino Highway, 240,000 cu.yd. excav. E. A. Peugh, co. surveyor.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelman, boro pres. Boro Hall. Dec. 28, repaving Liberty Ave., permanent asphalt on 6 in. concrete, from Borough Asphalt Co., 1301 Metropolitan Ave., $82,270. Noted Dec. 20.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Dec. 27, grading, etc., for width of 60 ft. centrally located Neill Ave. from Bronxdale to Matthews Aves., and for its full width from Matthews to Paulding Aves., from I. F. Cavaluzzo, 1538 Walton Ave., $31,350. Noted Dec. 20.

N. Y., New York—I. Miller, pres., Manhattan Boro, Municipal Bldg., Dec. 27, widening and repaving widened portion of 57th St., sheet asphalt on concrete, from Uvalde Asphalt Paving Co., 1 Bway., $38,638. Noted Dec. 20.

La., New Orleans—Bd. Port Comrs., New Court House Bldg., concrete floor slab grading and paving at Claiborne Ave. landing, from J. Reiss, Carondelet Bldg., $155,635. Noted Dec. 20.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, concrete curbing and refined asphalt paving **(1)** 4,565 sq.yd. Magnolia Ave., Pearl, North Magnolia and South Magnolia Sts. from Sublette to January Sts., engrs. est. $28,600 **(2)** 5,000 sq.yd. St. Louis Ave., $30,400 **(3)** 1,470 sq.yd. Compton Ave. from Lucas to Morgan Sts., $3,920 **(4)** 9,095 sq. yd. Laclede Ave. from Leffingwell to Grand Sts., $66,000 **(5)** 1,495 sq.yd. Dewey Ave. from Bingham to Merame Sts., $13,520 **(6)** 1,660 sq.yd. Ray Ave. from Neosho to Taft Sts., $9,520 **(7)** 2,160 sq.yd. Keokuk St., from Grand to Giles Sts., $11,300 **(8)** 2,850 sq.yd. Kingsburg St. from Rosedale to Skinker Sts., $9,120 **(9)** 955 sq.yd. Henry Ave., from Milentz to Herman Heights, $6,800 **(10)** 3,815 sq.yd. Lansdowne Ave. from January to Hampton Sts., $26,800 **(11)** 4,850 sq.yd. Marmaduke Ave. from Tamm to Ivanhoe Sts. $24,520 **(12)** 3,255 sq.yd. Smiley Ave. from Leola to Ivanhoe Sts. $18,200, from Higgins-Wall Dyer Constr. Co., International Life Bldg., **(1)** $27,687 **(2)** $28,656 **(3)** $3,917 **(5)** $12,886 **(6)** $9,521 **(7)** $11,271 **(9)** $6,582 **(10)** $25,916 **(11)** $24,511 **(12)** $17,632; from Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., **(4)** $77,697; from Granite Bituminous Paving Co., Ry. Exh. Bldg., **(8)** $9,121. Noted Nov. 29.

Tex., Marlin—Falls Co., grading, surfacing with gravel subbase and concrete paving 1.84 mi. State Highway 2, 74.6 cu.yd. concrete, 5,568 cu.yd. roadway and 6,993 cu.yd. borrow excav., 19,444 sq.yd. concrete pavement, 1,152 cu.yd. gravel subbase, 5,868 lb. reinforcing, from Brown & Root, Georgetown, $58,684. Engrs. est. $66,721. Noted Nov. 15.

California—State Hy. Dept., Sacramento, road from Truckee to Boca, Nevada Co., from Irey & Holden, Lodi, $67,052, engrs. est. $95,500; and grading and gravel or broken stone surfacing 9.9 mi. State Hy. between Bayha and Halfway Creek, Shasta Co., from Nevada Contg. Co., Fallon, Nev., $480,862. Noted Nov. 29.

Calif., Colton—Improving 9th St., from Hall-Johnson Co., P. O. Box 51, Lynwood, 235,054 sq.ft. concrete paving, $0.205 per sq.ft., 1,328 ft. walks, $0.50, 605 ft. concrete curbing $0.18. Noted Dec. 27.

Calif., Los Angeles—Improving Leesdale St., from G. H. Oswald, 366 East 58th St., grading $10,000, 766 ft. curbing, $0.70 per ft., 240,015 sq.ft. 6 in. concrete paving, $0.255, 2 wood trestle bridges, $37,886.

Calif., Oroville—Improving Pine St., etc., 4,100 cu.yd. excav., 170,400 sq.ft. 2½ in. asphaltic concrete base with 1½ in. warrenite bituminous surface, 1,100 lin.ft. curb, 1,100 sq.ft. concrete gutter, etc., from Chico Contg. Co., Chico, $44,550.

Calif., Riverside—Riverside Co. improving north and south connections between state and county highways in vicinity of Whitewater, from G. Pearson, La Verne, 3.231 lin.ft. grading and shaping, $0.55 per lin.ft., 57,050 sq.ft. 6 in. gravel base $0.90, 57,050 sq.ft. asphalt surface pavement, $0.06, etc. Noted Dec. 13.

Calif., San Diego—Common Council, improving 1st, 2nd and 3rd Sts., from Griffith Co., 25 14th St., 31,200 sq.ft. paving with 4 in. cement concrete base, 1 in. binder and 1½ in. asphalt wearing surface, $0.254, 173,086 sq.ft. paving with 3 in. bituminous base and 1½ in. asphalt concrete wearing surface, $0.17, 99,451 sq.ft. paving with 2½ in. bituminous base and 1½ in. asphalt concrete wearing surface, $0.162, 674 sq.ft. cement concrete sidewalk, $0.24, 1,298 lin.ft. cement concrete curbing, $0.68, sixteen 4 in. cement sewer laterals, $35 each, eight 6 in. cement sewer laterals, $40 each, etc.; Maryland St., from G. R. Daley, 4430 Boundary St., 73,692 sq.ft. paving with 4 in. concrete base and 1½ in. asphalt wearing surface, $0.21, 31,174 sq.ft. paving with 2½ in. bituminous base and 1½ in. asphalt wearing surface, $0.163, 200 sq.ft. cement concrete sidewalk, $0.24, 297 lin.ft. cement concrete curbing, $0.70, etc. Noted Nov. 1 and Dec. 13.

Calif., San Diego—From Griffith Co., 25 14th St., improving 24th, 25th, and B Sts., 253,819 sq.ft. paving at $0.164 per sq.ft., eight 4 in. cement concrete sewer laterals, $38.50 each, 746 lin.ft. cement concrete curbing, $0.65; from G. R. Daley, 4430 Boundary St., Louisiana St. between Upas and Lincoln Sts., 139,576 sq.ft. paving with 1½ in. asphalt concrete top on 3 in. bituminous base, $0.185, seven 6 in. cement concrete sewer laterals $38.50 each, five 4 in. cement concrete sewer laterals, $32.50 each, 11.7 lin.ft. cement concrete curbing $0.70, also Girard Ave. and Coast Blvd., 118,601 sq.ft. paving with 5 in. Portland cement concrete, $0.28, 291.4 sq.ft. cement concrete sidewalk, $0.24, 120 lin.ft. cement-concrete curbing, $0.70, construction of three corrugated iron culverts with accessories complete $680, iron pipe guard railing 336 ft. long, $1,200, miscellaneous $225.

Calif., San Francisco — Bd. Pub. Wks., Dec. 19, grading, concrete paving and building sewers in Wilde Ave., between Delta and San Bruno Aves., 4,388 lin.ft. concrete curbing, 1,610 sq.ft. art stone walks, 19,200 sq. ft. concrete and 71,225 sq.ft. asphaltic concrete, etc., from J. M. Smith, 407 11th St., $38,667. Noted Dec. 13.

Calif., San Francisco — Bd. Pub. Wks., grading, etc., for Ocean View Extension of Municipal Ry. System, 64,000 cu.yd. excav., under 400 ft., 188,000 cu.yd. excav., equivalent to 100 ft. overhaul, 28,000 sq.yd. top soil removed, stored and placed, 50 cu.yd. concrete, etc., from J. M. Smith, 407 11th St., $30,552. Noted Dec. 20.

Calif., San Jose—Santa Clara Co., improving Santa Clara-Los Gatos Rd., Sect. 1, from J. A. Costello, Jr., 1083 Shotwell St., San Francisco, concrete $65,242; from San Jose Paving Co., San Carlos and Dupont Sts., asphaltic concrete $64,800; from J. Doyle, San Jose, oil macadam $41,582. Noted Dec. 6.

CONTRACTS AWARDED

Connecticut—State Hy. Comn., Hartford, to J. Arboria, 82 Church St., New Haven, 25,441 ft. Cornwall-Kent Highway $182,659, 9,560 ft. bituminous macadam in Mansfield $50,073, 12,325 ft. waterbound macadam Southbury Rd. $56,857, 8,354 ft. rein.-con. in Shelton $44,422, 7,430 ft. trap rock waterbound macadam on Abington Rd., in Pomfret $34,663; to J. Demichiel & Bro., 58 High St., Torrington, 20,867 ft. waterbound macadam in Sharon $187,132; to D. O'Connell & Sons, Holyoke, Mass., 13,400 ft. rein.-con. in Suffield $84,118, to F. Arrigoni & Son, 624 Main St., Middletown, 21,000 ft. waterbound macadam on Groton-Stonington Rd., $105,319; to Berlin Constr. Co., Berlin, Southbury bridge over Pomperaug River, $11,884. Noted Dec. 13.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sheet asphalt repaving Jackson Ave., to W. J. Fitzgerald, 547 West 45th St., New York City, $347,719. Noted Dec. 13.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and laying sidewalks, etc., on Reservoir Pl., to L. Minna, $5,176; grading, etc., Tyndall Ave., to I. F. Cavaluzzo, 1538 Walton Ave., $16,040; sheet asphalt repaving East 188th St., to Interboro Asphalt Co., 2306 Creston Ave., $8,295. Noted Dec. 27.

N. Y., New York—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., reconstructing pavements, curbs and headers on south clearance roadway alongside approach of Williamsburg Bridge to Sicilian Asphalt Paving Co., 41 Park Row, $31,143. Noted Dec. 27.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite-block repaving 1st Ave., to J. Meehan & Son, 74 Cortlandt St., $47,070. Noted Dec. 27.

Md., Baltimore—Bd. Park Comrs., Lexington and Gay Sts., 50,000 cu.yd. grading and filling at Mt. Royal Reservoir, Mt. Royal and North Aves., to H. O. Firor & Co., 1707 West Pratt St., $0.59 per cu. yd. Noted Dec. 27.

W. Va., Wayne—Wayne Co., grading 4 miles Konova-Buffalo Rd., to Wellman Constr. Co., Wayne, $39,176.

N. C., Fayetteville — Paving various streets, one third with sheet asphalt and two thirds with warrenite bitulithic, to J. P. McGuire, Norfolk, Va., $300,000. Noted Nov. 29.

Alabama—State Hy. Dept., Montgomery, grading and surfacing 6.053 mi. road, Franklin Co., to Scott-Chambers Constr. Co., West Point, Ga., Class A concrete $22.50, local gravel $1.20. Noted Dec. 6.

Ill., Galesburg — Improving Grand Ave., 7,620 cu.yd. grading, 10,198 lin.ft. concrete curb and gutter, 18,004 sq.yd. brick pavement on 4 in. concrete base with asphalt filler, etc., to H. H. Gunther, 859 East Losey St., $65,843. Noted Dec. 13.

Ill., Palatine—Bd. Local Impvts., paving Chicago St. to Northern Illinois Supply Co., Rockford, $58,170.

Ia., La Porte—Curbing, 8 in. rein.-con. paving, etc., 23 blocks, to P. P. Smith, 1600 Washington Ave., Cedar Rapids, $2.45 per sq.yd., total $62,000. Noted Dec. 13.

Minn., St. Paul—Paving Payne Ave. from Jessamine to Maryland Sts., 5,249 sq.yd. 3-in. vertical fibre brick, 1,190 bbl. cement, etc., and Payne Ave. from Maryland St. to north city limits, 14,536 sq.yd. 3-in. vertical fibre brick, 4,858 bbl. cement, etc., to Fielding & Shepley, 216 University Ave., $21,999 and $81,590 respectively; White Bear Rd. from Payne Ave. to north city limits, one course concrete, to Feyen Constr. Co., 277 Burgess St., $18,966. Noted Dec. 6.

Kan., Kansas City — Wyandotte Co., grading, draining, and concrete surfacing 0.484 mi. Federal Aid Project 174, to Sommers Hall Constr. Co., Newton, $32,634.

Kan., Phillipsburg — Grading 0.946 mi. Sect. A Pikes Peak Ocean to Ocean Highway, Federal Aid Project No. 166, and rein.-con. and steel bridge with 80 ft. center span and two 30 ft. side spans on Sect. B, of same road, also grading 2.981 mi. Sect. A Project 176, and I beam and concrete bridge with 37 ft. center span and two 30 ft. approach spans, and one 20 ft. rein.-con. slab bridge on Sect. B of same project, to Somer-Hall Constr. Co., Newton, $53,636. Noted.

N. D., Ellendale — Dickey Co., grading Federal Aid Project 206, 62,003 cu.yd. excav., etc., to L. Wahlmend & Con, Enderlin, $39,016.

N. D., La Moure—La Moure Co. grading Federal Aid Project 176, 103,623 cu.yd. excav., etc., to R. S. Burnstad, La Moure, $45,024.

Ark., Little Rock—Improving Dist. 360, concrete base, to Bittles Concrete Co. North Little Rock, asphalt surface, to Gregory & Wilson, Southern Trust Bldg. Engrs. est. $55,000.

Tex., Cleburne—Johnson Co. grading and reshaping road bed and hauling and placing 14,173.4 cu.yd. gravel on State Highway 10A, State Aid Project 443, to McClung Constr. Co., Sherman, $34,841. Engrs. est. $39,106. Noted Dec. 20.

Tex., Ft. Worth — Paving 23,000 sq.yd. Bunting, J, I and Essex Aves., amiesite, to Worth Constr. Co., F & M Bank Bldg., $2.70 per sq.yd., total $85,000. Noted Dec. 20.

Tex., Houston—Paving 30 blocks, gravel, to C. K. Horton, Box 1025, $36,227.

Tex., Palestine — Anderson Co., grading, rein.-con. paving, and bridging 9.7 mi. State Highway 19, Federal Aid Project 403-A, 16 and 18 ft., and grading, gravel surfacing, and bridging 10.75 mi. Palestinebrushy Rd., 16 ft., to Henderson & Co., Omaha, $321,076 and $32,444 respectively. Engrs. est. $353,184 and $35,000 respectively. Noted Dec. 20.

Oklahoma — State Hy. Dept., Oklahoma City, gravel 12 mi. road between Norman and Oakland City, Federal Aid Project 112, Sect. B, and 11 mi. Federal Aid Project 112, Sect. A, Cleveland Co., to Southern Constr. Co., Durant, $167,280 and $177,967 respectively; 6.8986 mi. Federal

Streets and Roads (Continued)

Aid Project 33, Sect. C, Choctow Co., to Garrett & Mills, 1728 West Main St., Oklahoma City, $79,921; 6,1115 mi. Federal Aid Project 74, Sect. A, Murray Co., to Maney Bros., Empire Bldg., Oklahoma City, $75,475.

Wash., Wenatchee—Grading and paving Orondo St. from Mission to Washington Sts., to Standard Asphalt Paving Co., North 517 Lincoln St., Spokane, $25,341. Engrs. est. $26,000.

California—State Hy. Comn., Sacramento, paving with concrete 9 mi. State highway between Old Elk Grove and Sacramento, Sacramento Co., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $283,667, engrs. est. $334,442; grading 10.4 mi. State Hy. between Quail Lake and Northerly Boundary, Los Angeles Co., to Williams & Singletary, Colton, $47,724, $51,292. Noted Dec. 20.

Calif., Los Angeles—Improving Lakme Ave. between M and Anaheim Sts. to G. H. Oswald, 366 East 58th St., Los Angeles, 173,988 sq.ft. asphalt pavement, $0.24 per sq.ft., 6,017 ft. curbing, $0.70; 30,262 sq. ft. walks $0.20 per sq.ft., 6,742 sq.ft. concrete gutter, $1.40 per sq.ft., etc.

Calif., Los Angeles—Improving Vernon Ave. 166,477 sq.ft. concrete pavement, 18,410 sq.ft. walks, 2,542 ft. house sewers, etc., to W. Liddington, 420 East 60th St., approximately 51,500. Noted Dec. 27.

Calif., Oakland—Improving Castro St. between 1st and 7th Sts., to Hutchinson Co., 1706 Bway, Oakland 62,935 sq.ft. grading $0.03 per sq.ft., 2,054 ft. curbing $0.70, 212 lin.ft. curbing with guard $1.10, 2,619 sq.ft. concrete gutter $0.30, 60,317 sq.ft. 6 in. concrete paving with 2 in. warrenite-bitulithic surface, $0.30, conduit $2.80 lin.ft., catchbasins $85. each, total in excess of $25,000. Noted Dec. 13.

Calif., Riverside — Riverside Co. paving approximately 8 mi. Nuevo-Lakeview Rd., 698,000 sq.ft. 5 in. macadam pavement, 5,000 cu.yd. grading, etc., to Hall-Johnson Co., P. O. Box 51, Lynwood, approximately $115,000.

Calif., San Bruno—Grading, paving and building sewers in Elm, Cypress and Clarke Aves., etc., in Huntington Park, 120,000 sq. ft. asphaltic concrete base with Warrenite surface, to Municipal Impvt. Co., 306 12th St., Oakland, $90,224. Noted Rec. 27.

Calif., San Francisco—Grading, etc., for Ocean View Extension of Municipal Ry. System, 64,000 cu.yd. excav. under 400 ft., 188,000 cu.yd. excav., equivalent to 100 ft. overhaul, remove stored and placed 28,000 sq.yd. top soil 50 cu.yd. concrete, etc., also grading, concrete paving and building sewers in Wilde Ave. between Delta and San Bruno Aves., 7,100 cu.yd., cut, 1,035 cu.yd. fill, 75 lin.ft. 12 in. sewer, 4,388 lin.ft. concrete curbing, 1,610 sq.ft. art stone walks, 19,200 sq.ft. concrete and 71,225 sq.ft. asphaltic concrete, to J. M. Smith, 715 Ocean Ave., San Francisco, $30,552 and $38,667 respectively. Noted Dec. 20.

Calif., Upland — Asphalt paving, cement gutters, walks, and stone curbs, on 2nd Ave., to Griffith Co., Railway Bldg., Los Angeles, approximately $25,500.

Calif., Ventura — Comrs. Ventura Co., received no bids improving portion of Santa Ana Rd., 2,000 cu.yd. earthwork, 4,452 lin. ft. shaping and rolling, 71,232 sq.ft. asphaltic macadam; also Willow St. and Willard Ave., in Santa Paula, 58,144 sq.ft. asphaltic macadam, 3,634 lin.ft. shaping and rolling, 2,500 cu.yd. excav. Work will be done by force account. C. W. Petit, co. surveyor.

Industrial Works

PROPOSED WORK

N. Y., New York—Publishing—Pictorial Review, 7th Ave. and 37th St., having plans prepared by Renwick, Aspinwall & Tucker, archts. and engrs., 8 West 40th St., 14 story, brick, steel and stone, 9th Ave. and 34th St. $6,500,000.

Pa., Phila.—Printing Plant and Office—Public Ledger Co., 6th and Chestnut Sts., having plans prepared by H. Trumbauer, Land Title Bldg., (2nd unit) 12 story, 84 x 84 x 169 x 230 ft., brick and steel, plain foundation, 6th, Chestnut and Sansom Sts.

W. Va., Charleston—Plant—Carrier Chemical Co., purchased 7½ acre site and plans plant. $50,000. A. Krug, secy.

North Carolina — Plant — Cunningham Brick Co., Greensboro, purchased 148 acre site between Gordontown and Hannersville for shale brick manufacturing plant.

N. C., Star — Refrigerating Plant — See "Railways" under North Carolina.

La., Gibsland—See "Waterworks."

Tenn., Nashville — Plant — Tennessee Enameling Co., Charl Park, plans to rebuild plant, 41st St. and along tracks of Nashville, Chattanooga & St. Louis R.R., recently destroyed by fire. $50,000. M. H. Wright, vice pres.

Ky., Louisville—Factory—Amer. Woolen Co. of Kentucky, 1000 East Oak St., plans 3 story addition. $150,000.

Ky., Louisville — Warehouse — Louisville Gas & Electric Co., 311 West Chestnut St., plans brick warehouse, Dumesnil and 7th Sts. $200,000. Engineer and architect not selected.

Ia., Des Moines—Power Plant—Des Moines Electric Co., 802 Locust St., having plans prepared for power plant. $16,000,000. T. J. Lucas, c/o Illinois Power and Light Corp., 1547 Illinois Merchants Bank Bldg., Chicago, ch. engr.

Minnesota—Power Plant—See "Unclassified."

Minn., Moorhead—City plans improving present water and light plant, $55,000, or constructing new one, $125,000. R. G. Price, city clk.

Kan., Fort Scott—Electric Light Plant—Plans election to vote on $200,000 bonds for plant. R. Talis, Fort Scott, engr. Noted Dec. 13.

Minn., St. Paul—Power House—Macalester College, Grand and Snelling Aves., having preliminary plans prepared by W. M. Ingemann, 637 Endicott Bldg., and E. D. Litchfield & Rogers, 477 5th Ave., New York City, 1 story, brick and concrete, on campus. $45,000.

Mo., Carthage—Factory—Liggett & Platt, 219 West 2nd St., having plans prepared by P. K. Simpson, Center Bldg., 1 story and basement, 80 x 400 ft. rein.-con. $50,000. Noted July 12.

Mo., St. Louis — Garage — Down Town Garage Co., c/o O. J. McCawley, 613 Chestnut St., having preliminary plans prepared by G. E. Wells, archt. and engr., Boatmans Bank Bldg., 3 story and basement, rein.-con. and brick, plain foundation 300 car capacity, 7th St. $175,000.

Tex., Breckenridge—Plant—Sauders & Fisher Co. plans casing head gasoline plant, 20,000,000 cu.ft. gas daily capacity. $200,000. Private plans. Work will probably be done by day labor.

Tex., Dallas—Printing Plant—Cassidy Realty Co., 3517 Lindenwood Ave., had plans prepared by A. Burton, archt. and engr., Melba Theatre Bldg., 3 story, 100 x 136 ft., brick and concrete. $75,000.

Tex., Dallas—Warehouse—Lyons Parson Co., Carter and Hord Sts., having plans prepared by J. A. Pitzinger, engr. and archt., Southwestern Life Bldg., and takes bids in spring 6 story, concrete, Carter and Collins Sts. $100,000.

Tex., Dallas—Warehouse—E. C. Palmer, Ltd., Lacy St., plans brick and concrete. $100,000. Engineer and architect not announced.

Tex., Galveston—Garage—J. Christianson Co., Ave. I, had plans prepared by D. N. McKenzie, archt. and engr., 2107 Post Office St., 1 story, 50 x 120 ft., brick garage. $45,000.

Tex., Refugio — Plant — Pratt-Hewitt Syndicate, soon takes bids 5 story, 200 x 360 ft., rein.-con. and brick. $1,000,000. Noted Oct. 11.

Tex., Texas City — Refinery — Knox Process Co. having plans prepared oil refinery. $500,000. L. Steerman, mgr. Private plans.

Calif., Davis—Warehouse, etc—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, having plans prepared, warehouse, office and service buildings. $40,000 or more. Private plans. Noted Feb. 22.

Calif., Long Beach—Garage and Office—H. S. Wright, c/o J. H. Roberts, archt., Marine Bank Bldg., had plans prepared 2 story, 50 x 150 ft., brick, American Ave.

Calif., Los Angeles — Garage — J. A. Nadeau Co., 1100 East Slauson Ave., had plans prepared by A. G. Bailey, Jr., Orpheum Bldg., 1 story, brick addition, East Slauson Ave. $40,000.

Calif., Los Angeles — Shop — California Paint Remover Co., 709 South Crocker St., had plans prepared 1 story, 120 x 140 ft., brick, Paloma and 14th Sts. Private plans.

Calif., Los Angeles — Shop — Stockham Pipe & Fitting Co., Terminal Sales Bldg., having plans prepared by F. D. Chase, Insurance Bldg., 1 story pipe shop, 24th St., $40,000.

Calif., Los Angeles—Sub-Station—Pacific Electric Ry. Co., Pacific Electric Bldg., plans sub-station, 2nd and Toluca Sts.

Calif., Oxnard—Plant—Ord Ice Co., had plans prepared ice plant. To exceed $50,000. A. A. Miller, Ventura, Calif., interested.

Calif., San Bernardino—Warehouse—Associated Warehouse Co., having plans prepared by L. L. Jones, Grosse Bldg., Los Angeles, 3 story, 100 x 150 ft., rein.-con. and brick. $150,000.

Calif., San Jacinto—Factory—Riverside Cement & Roofing Co., Riverside, plans factory, here. To exceed $75,000.

Calif., Venice—Factory—Jennings-White Co., c/o J. C. Barthel, 119 Wavecrest Ave., Santa Monica, plans factory. To exceed $150,000.

Ont., Welland — Garage — Gram Bros., Division St., having plans prepared by N. A. Kearns, Temple Bldg., 2 story, rein.-con., brick and steel, Division St. $50,000.

BIDS DESIRED

N. Y., New York—Repair Shop—Jan. 15, by G. A. Whalen, comr. of Plant and Structures, Municipal Bldg., central motor repair shop, 16th St. and Ave. C.

Fla., Tampa—Warehouses, etc.—Dec. 31, by Tilt Hargan Co., engrs., 90 West Bway., New York City, N. Y., for 2 steel warehouses and bulkheads for Gulf & Southern Steamship Co., Tampa.

O., Cleveland—Garage—Company, c/o S. H. White, archt., Schofield Bldg., taking bids 1 story, 150 x 400 ft., concrete, brick and steel commercial garage, $150,000.

O., Cleveland—Plant—Dercum & Beer, archts., 4500 Euclid Ave., taking bids 3 story, 90 x 116 ft., rein.-con. and brick 12th St. and Oregon Ave., for German Consolidated Newspaper Co., c/o C. Raid, genl. mgr., 1570 West 35th St. $150,000. Noted Dec. 20.

Wis., Appleton—Garage—Kurz Motor Car Co., 1107 College Ave., taking bids 2 story and basement, 30 x 77 ft., and 26 x 42 ft., concrete additions, plain foundations, College Ave. $40,000. Private plans.

Tex., Houston—Bakery—Houston Baking Co., c/o J. Finger, archt. and engr. Woolworth Bldg., taking bids 2 story, 50 x 123 ft. brick and tile. $50,000 incl. equipment.

Calif., Emeryville — Factory — Westinghouse Electric Co., 62nd and Powell Sts., taking bids 3 story, rein.-con. addition, Powell and 62nd Sts. B. H. Prack, 62nd and Green Sts., engr. To exceed $150,000.

Calif., Emeryville—Garage—Cozzens-Ball, Inc., San Pablo and 48th Aves., Oakland, taking bids 1 story, rein.-con., here. $80,000.

Calif., Emeryville—Warehouse—W. J. Miller, archt., Lachman Bldg., San Francisco, receiving bids 1 story, 110 x 120 ft., rein.-con., Doyle and 64th Sts., here, for Detroit Steel Products Co., 251 Kearny St., San Francisco. $40,000.

Calif., Los Angeles—Plant—L. A. Parker, archt., Pacific Electric Bldg., taking bids 125 x 175 ft. rein.-con. North Main St., for Los Angeles Brewing Co., 1920 North Main St. Noted Dec. 20.

Calif., Los Angeles—Garage—M. Swasey, archt., Hibernian Bldg., taking bids for 2 story, 115 x 150 ft., brick, Gordon and Sunset Sts., for S. W. Smith, 1620 South Figueroa St.

Calif., Los Angeles—Warehouse—Blake, Moffitt & Towne, 242 South Los Angeles St., taking bids 4 story, 90 x 187 x 216 x 221 ft., rein.-con. and brick, South Los Angeles St. J. D. Galloway, 1st Natl. Bank Bldg., San Francisco, engr.

BIDS RECEIVED

La., New Orleans—Bd. Port Comrs., 200 New Court Bldg., furnishing 1,720 tons structural steel for superstructure of Canal Ave. warehouse, (a) furnishing steel, (b) erecting and painting, from Virginia Bridge & Iron Co., Whitney Bldg., (a) $145,684; Ingalls Iron Wks., City Bank Bldg., (b) $21,500; also unloading painting and erecting steel from B. N. Davis, 831 Magazine St., $16,063.

CONTRACTS AWARDED

Mass., Dorchester (Boston P. O.) — Garage—F. W. Doyle, Adams St., 2 story, 70 x 150 ft., brick and steel, plain foundation, Adams St., to Scully Co., 118 1st St., Cambridge (Boston P. O.), $60,000.

Industrial Works (Continued)

Mass., Springfield—Garage, etc.—H. J. Perkins, Dwight St., 1 story, 90 x 160 ft., garage and showroom, brick and steel, Taylor St., to F. T. Ley Co., 495 Main St., $45,000.

Mass., Worcester—Power House—Boston & Maine R.R., North Station, Boston, will build 1 story, 45 x 65 ft., brick and steel, by day labor. $75,000. A. B. Corthell, ch. engr. Noted Dec. 13.

N. Y., North Tonawanda — Factory — Kardex Co., Main St., 1 story, 100 x 600 ft., rein.-con., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $200,000.

Pa., Ardmore—Factory—Mentopine Corp., 501 Green St., Phila., 3 story and basement, 54 x 90 ft., brick, steel and iron, plain foundation, to Bowden Constr. Co., 1935 Chestnut St., Phila., $65,000.

N. C., Gastonia—Mill—Loray Mills, 1 story addition, 25,000 sq.ft. floor space, to Aberthaw Constr. Co., 27 School St., Boston, Mass.

Fla., Tampa—Warehouse—City Comn., 75 x 694 ft., rein.-con. fabricated steel, concrete pile foundation, Estuary St., to McGucken, McGucken & Edwards, 204 Nebraska Ave., $79,090. Noted Nov. 15.

Miss., Jackson—Factory—Morris Ice Co., rebuilding factory, to W. J. McGee, Jackson. Engrs. est. $175,000. Noted Nov. 22.

O., Cleveland — Factory — Horsburgh & Scott, 5114 Hamilton Ave., 3 story and basement, 120 x 140 ft., rein.-con. and brick, 5114 Hamilton Ave., to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $250,000.

O., Cleveland — Foundry — Gluntz Brass Foundry Co., c/o D. J. Gluntz, pres., 1629 East 55th St., 1 story, 60 x 100 ft., brick and steel, 1629 East 55th St., to J. H. O'Grody, 26 Euclid Arcade. Engrs. est. $40,000.

O., Cleveland—Plant—Natl. Biscuit Co., 35 9th Ave., New York City, 1 story, 60 x 493 ft., concrete, brick and steel, East 83rd and Woodland Sts., here, to Lundoff-Bicknell Co., B. F. Keith Bldg. Archts. est. $200,000. Noted Dec. 13.

O., Dayton—Plant—Miami Ice & Fuel Co., Ludlow Bldg., 5 story, rein.-con. and brick cold storage plant, plain foundation, Eaker St., to Huffman Realty Co., 305 Callahan Bldg., $240,000.

O., Reading (branch of Cincinnati)—Factory—General Match Co., 1626 Hamer St., Cincinnati, 1 story, 200 x 220 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $150,000. Noted Dec. 13.

Mich., Niles—Factory and Warehouse—Kawneer Mfg. Co., 1 story, 100 x 125 ft., and 1 story, 48 x 130 ft. factory buildings, also 2 story, 100 x 212 ft. warehouse, to R. Reisinger & Co., 464 Oakland Ave., Milwaukee, Wis.

Wis., Madison—Garage—A. J. McCance, 204 Meary St., will build 1 story, 60 x 100 ft., rein.-con., brick and steel, plain foundation, by day labor. $50,000. Noted Dec. 13.

Wis., Marinette—Warehouse—Victory Bag & Paper Co., Ludington St., will build 2 story, timber, plain foundation, by day labor. $50,000. Private plans.

Wis., Milwaukee—Garage—Argo Investment Co., 77 Michigan St., 2 story and basement, brick and concrete, garage, plain foundation, 5th St., to Bentley Bros., 807 South Pierce St. Archts. est. $75,000.

Wis., Oshkosh—Warehouse—Morgan Co., Oregon and 6th Sts., 3 story, brick and mill construction, to Fluor Bros. Constr. Co., 48 Otter St. Archts. est. $60,000.

Minn., St. Paul — Garage — Studebaker Sales Co., 9th and Franklin Sts., general contract 3 story and basement, 60 x 80 ft. rein.-con. and brick addition, 9th and Franklin Sts., to W. M. Murphy & Son, 346 Endicott Bldg. Total $60,000.

Mo., Kansas City—Assembly Plant—Ford Motor Co., Highland Park, Detroit, Mich., (1st unit) 1 story, 200 x 840 ft., rein.-con., brick and steel, to J. R. Vansant Constr. Co., 417 Ridge Bldg., $400,000. Total cost $750,000. Noted Oct. 18.

Mo., St. Louis—Factory—Diamond Wood Heel & Mfg. Co., 407 South Bway., 2 story and basement, 75 x 168 ft., brick and rein.-con., 2506 South Bway., to Pollman Constr. Co., St. Louis. Est. cost $65,000.

Mo., St. Louis—Garage—F. Dubinsky, Wainright Bldg., 1 story, 80 x 110 ft., rein.-con., Washington St., to A. H. Stiel, archt., 813 Chestnut St., by day labor. $40,000.

Mo., St. Louis—Garage—McNicol Bros., 5618 Easton Ave., will build 1 story, 100 x 135 ft., brick, concrete and terra cotta, Blendon Pl., by day labor. $40,000. Stephen & Pearson, Chemical Bldg., archts.

Tex., Houston — Texas & New Orleans R.R., Southern Pacific Bldg., concrete work for shops, to Southwestern Constr. Co., West Bldg., $54,000.

Okla., Sand Springs — Bleachery — Sand Springs Cotton Mills soon takes bids on steel work for 2 story and basement, 200 x 240 ft., rein.-con., brick and steel. Work will be done by day labor. Total cost $150,000. Noted Dec. 13.

Wash., Seattle—Factory—Amer. Can Co., foot of Clay St., 5 story, 120 x 310 ft. steel and concrete addition, 1st and Clay St., to A. W. Quist Co., Hoge Bldg. Archts. est. $700,000.

Calif., Long Beach—Garage—Soft Water Laundry Co., 700 Anaheim St., 1 story, 30 x 125 ft., brick, Anaheim St., to McGrew & Sons, 1345 West Ocean Ave.

Calif., Los Angeles—Garage—J. L. Grant, c/o contractor, 1 story, 60 x 150 ft., brick, Flower St. near Pico St., to J. M. Cooper, Marsh-Strong Bldg.

Calif., Los Angeles — Garage — R. B. Lloyd, Bank of Italy Bldg., 1 story and mezzanine, 60 x 80 ft., brick addition, Vermont Ave., to May & Grimwood, 719 Haas Bldg.

Calif., Los Angeles—Garage—J. B. Newman, c/o contractor, 1 story, 100 x 200 ft., brick, East 9th St., to V. P. Gilbert, 705 Citizens Natl. Bank Bldg.

Calif., San Francisco — Warehouse — Siegen Realty Co., 233 Lick Bldg., 1 story rein.-con., Howard and Erie Sts., to H. L. Peterson, Lick Bldg., $42,000.

Calif., San Francisco — Laundry and Power Plant—See "Buildings."

Buildings

PROPOSED WORK

Mass., Boston—Apartment—S. S. Levy, archt., 39 Court St., preparing plans 4 story apartment. $350,000. Owners name withheld.

R. I., Providence—Court House—Providence Co. Court House Comn. taking competitive plans 6 and 4 story, brick and stone, South Main St. $3,000,000. Noted May 4.

R. I., Providence—Hospital—Lying-In Hospital, 96 Parkway St., soon takes bids 4 story, brick, concrete and steel, Pleasant Valley Parkway. $1,000,000. E. Porter, supt. Stevens & Lee, 9 Park St., Boston, Mass., archts. Noted Oct. 11.

R. I., Providence—School—J. W. Donahue, archt., 477 Main St., Springfield, Mass., opens bids about Jan. 15, 2 story and basement, brick, concrete and steel, plain foundation, Smith St., for La Salle Academy, 205 Fountain St. $400,000.

Conn., Bristol—School—South Side School Dist. plans 3 story school. $375,000. Engineer and architect not selected.

N. Y., Brooklyn—Bank—Mechanics Bank, 215 Montague St., soon takes bids brick, steel and stone, plain foundation. Ralph and Gates Aves. $200,000. E. E. Seelye, 103 Park Ave., New York, engr. Holmes & Winslow, 134 East 44th St., New York, archts.

N. Y., Brooklyn—Municipal—City, Boro Hall, soon receives bids 11 story, brick and steel, plain foundation, Court and Joralemon Sts., $6,000,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York, archts. and engrs. Noted Nov. 29.

N. Y., Buffalo—Office—State Building Comn., Albany, had plans prepared office building, here. $200,000. S. W. Jones, Albany, state archt.

N. Y., Elmira—High School—Plans election in spring to vote on $250,000 bonds for new Junior High School. Park Pl. P. E. Kingston, pres. School Bd. Architect and engineer not announced.

N. Y., Hoosick Falls—School—Bd. Educ. plans to rebuild 4 story, 380 x 500 ft., brick and steel, near Hoosick River Bridge. $265,000. Engineer and architect not selected.

N. Y., New York — Bank and Office — Railroad Cooperative & Loan Assn., 437 Lexington Ave., having plans prepared by Ludlow & Peabody, archts. and engrs., 101 Park Ave., 13 story, brick, steel and stone, plain foundation, Lexington Ave. $800,000. G. E. Martin, pres.

N. Y., New York—Church, Office, etc.—Broadway Temple c/o Donn Barber, archt. and engr., 101 Park Ave., having plans prepared 24 story, brick, steel and stone, plain foundation, 173rd St. and Bway. $4,000,000.

N. Y., New York—Clubhouse—Knights of Columbus, 244 West 51st St., soon receive bids 15 story, brick, steel and stone, 8th Ave., $1,650,000. E. F. Fanning, 522 5th Ave., archt. and engr. Noted Sept. 6.

N. Y., Rochester—Club—Rochester German Societies, 421 St. Paul St., having plans prepared 4 story and basement, 100 x 150 ft. club house, St. Paul St. $150,000. Engineer and architects names withheld.

N. J., Asyla (Grenloch P. O.)—Hospital—Camden Co. (Camden) rejected bids group of buildings, here. Plans will be revised and work readvertised. Noted Dec. 27.

N. J., Somerville — Hospital — Somerville Hospital plans new hospital. $350,000.

N. J., Trenton—Buildings—State Building Comn., Trenton, plans psychopathic and convalescent buildings, and addition to dining hall at State Hospital for Insane, here, $384,000. Engineer and architect not selected.

Pa., Bustleton — School — Maternity and Blessed Virgin Roman Catholic Church, Welsh and Newton Sts., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., 3 story and basement, 60 x 120 ft. brick, steel and stone, plain foundation, Welsh and Newton Sts. $150,000.

Pa., Lewisburg—High School—Lewisburg School Dist., plans 3 story and basement, 110 x 120 ft., rein.-con., brick and steel, West End Section. $200,000.

Pa., Phila.—Apartment—Hoffman-Henon Co., archt., Finance Bldg., preparing plans 10 story and basement, 50 x 60 ft. brick and steel, plain foundation, 19th and Delancey St. $300,000. Owners name withheld.

Pa., Phila. — Apartment — F. B. Koelle, archt., Otis Bldg., preparing plans 4 story and basement, 90 x 130 ft., rein.-con., brick and steel, plain foundation, Chelton and Germantown Aves. $150,000. Owner's name withheld.

Pa., Phila.—Church—D. J. Dougherty, 1723 Race St., having plans prepared by Hoffman-Henon Co., Finance Bldg., 1 story, 60 x 125 ft., steel and stone, plain foundation. Cobbs Creek Parkway and Cedar Ave. $200,000.

Pa., Phila.—Hotel—Greenfield and Tanke, Fox Theatre Bldg., agents for owner (name withheld), having plans prepared by F. E. Hahn, 1112 Chestnut St., 24 story, 75 x 157 ft. 16th and Market Sts.

Pa., Scranton — School — Holy Rosary Church, Williams St., takes bids early in January, 2 story, 82 x 125 ft., brick, limestone and steel, Williams St. $250,000. Morris & McHale, Mears Bldg., archts.

N. C., Asheville—Office—Professional Office Building Co., Inc., plans 12 story and basement, 60 x 90 ft., fireproof, Otis St. and Battery Ave. $400,000. Engineer and architect not announced.

N. C., Raleigh—College—Bd. Trustees Meredith College, authorized $750,000 bond issue for new college at Method, suburb. Total cost $1,000,000. $250,000 on hand. C. E. Brewer, pres.

N. C., Winston-Salem—Depot—Southern Ry., 1300 Penn Ave., Wash., D. C., soon lets contract depot on old Wheeler property, here. $750,000. J. B. Akers, Charlotte, N. C., ch. engr. M. W. and structural.

Fla., Tampa—Hospitals and Auditorium—Feb. 12, to vote on $250,000 bonds for hospitals; also $250,000 bonds for auditorium. W. E. Duncan, city clk.

Ala., Birmingham—Court House—Jefferson Co. having plans prepared by J. B. Wheelock, Birmingham, court house, propably 4 story. $500,000.

Ala., Huntsville—Schools—Voted $150,000 bonds for schools.

La., Monroe—Court House and Jail—Ouachita Parish Police Jury, had plans prepared by J. W. Smith, Monroe, new court house and jail. $400,000. Will award contract in February.

Tenn., Knoxville—Market and Auditorium—J. L. Humphreys, plans market and auditorium building in North Knoxville. $300,000. Engineer and architect not selected.

Tenn., Memphis—Arcade—Avenue Realty Co. having plans prepared by Hanker & Cairns, Madison Ave. Bldg., 2 story, brick, tile and stone, Union and South 3rd Sts. $150,000.

Buildings (Continued)

Tenn., Memphis — Cafe, Apartment and Restaurant—C. B. Renegar, 317 Adams St., having plans prepared by Mahan & Broadwell, Amer. Bank Bldg., 2 story and basement, Adams and Lauderdale Sts. $150,000.

Tenn., Nashville—Memorial—Vanderbilt University had plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., and takes bids about Jan. 10, 3 story and basement, rein.-con., brick and stone. Bway. near Medical School. $300,000. Noted Nov. 13.

Ky., Louisville—Business and Apartment—Mammoth Realty Co., 608 West Walnut St., plans 6 story, 70 x 150 ft., 604 West Walnut St. $250,000.

O., Cleveland—Apartment—A. H. Oyer, 515 Bangor Bldg., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 42 x 162 ft., brick and timber, East 79th St. and Hough Ave. $175,000.

O., Cleveland—Apartment—Urban Realty & Development Co., Guardian Bldg., plans 4 story, brick, on lot 221 x 244 ft., Morland Circle. $250,000. Engineer and architects name withheld.

O., Cleveland — Clubhouse, Apartment, etc.—Aerie 135 Fraternal Order of Eagles, C. Shannon, chn. Bldg. Com., 2226 East 55th St., plans 10 story, concrete, brick and steel, East 40th St. and Windsor Ave. $1,000,000.

O., Cleveland — Commercial — Empire-Cleveland Development Co., c/o S. W. Manheim, East 9th St. and Chester Ave., plans brick, steel and concrete, 9th and Boliver Sts. $300,000. Engineer and architect not selected.

O., Cleveland—Commercial—Syndicate of Investors, c/o A. H. McBride, of Cleveland News Publishing Co., Leader-News Bldg., plans 3 story, brick, steel and concrete, on lot 12 x 135 ft., Walnut and Paynes Aves. $150,000. Engineer and architect not selected.

O., Cleveland — Home — Eliza Jennings Home for Aged, c/o C. S. Orr, 14903 Clifton Blvd., Lakewood, having plans prepared by Meade & Hamilton, 1002 Natl. City Bldg., 3 story and basement, 90 x 160 ft., concrete, brick and steel, 10503 Detroit Ave., here. $225,000.

O., Cleveland—Store and Office—J. Heller, 2218 Lorain Ave., plans 6 story and basement, concrete, brick and steel, on site 69 x 156 ft., West 25th St. and Market Place. $200,000. Engineer and architect not selected.

O., East Cleveland—(Cleveland, P. O.)—Commercial and Apartment—Company c/o F. J. Poulson, Guardian Bldg., Cleveland, plans 4 story, brick and timber, Euclid and Hower Aves. $300,000. Engineer and architect not selected.

O., Lakewood (Cleveland P. O.)—Commercial and Apartment—H. L. Smith, Illuminating Bldg., Cleveland, plans 3 story and basement, brick, steel and timber, on plot 90 x 185 ft., Detroit Ave., here. $150,000. Engineer and architect not selected.

O., Youngstown—High School—Bd. Educ. plans East High School, 3 story, Emma St. $900,000. P. Boucherle, Stambaugh Bldg., archt. Will mature in spring.

Ind., Ft. Wayne—College—Concordia College having plans prepared by J. M. E. Riedel, Noll Bldg., 3 story and basement, 50 x 158 ft., brick. $150,000.

Ind., Ft. Wayne — Schools — Bd. School Trustees having plans prepared 2 story and basement, rein.-con. and brick, $150,000, Mahurin & Mahurin, 124 West Jefferson St., archts.; also 2 story and basement, rein.-con. and brick, $160,000, Pohlmeyer & Pohlmeyer, Central Bldg., archts.

Mich., Highland Park (Detroit P. O.)—Library—City having plans prepared by E. L. Tilton, 141 East 45th St., New York City, 2 story, brick, steel and stone, plain foundation. Woodward Ave. $500,000.

Wis., Appleton—Hotel—See "Unclassified."

Wis., De Forest—Store and Apartment—J. H. Bertrand, having plans prepared by P. Dean, Dean Bldg., Madison, 2 story, 67 x 135 ft., rein.-con., brick and stone, plain foundation. $150,000.

Wis., Milwaukee—Hotel—State & Fourth Realty Co., 209 Grand Ave., having preliminary plans prepared by Lindl, Lesser & Schutte, 82 Wisconsin St., 8 story and basement, 50 x 150 ft., brick and concrete, plain foundation, State St. $500,000.

Wis., Racine—Clubhouse—Racine Aerie of Eagles, c/o W. Armstrong, pres., 1818 College Ave., plans 3 story, brick and concrete, plain foundation. $175,000. Engineer and architect not selected.

Ia., Sioux City—Apartment—G. G. Francis, c/o E. Schroeder Co., archt., 405 Bway., Milwaukee, Wis., having plans prepared 3 story and basement, 52 x 100 ft., brick and concrete, Jackson and 26th Sts., $150,000.

Kan., Emporia—High School—Bd. Educ. plans junior high school. $400,000. Engineer and architect not selected.

Mo., Kansas City—School—Redemptorist Fathers, 325 Hunter St., rejected bids 3 story and basement, 160 x 168 ft., rein.-con., brick and stone, Hunter Ave. $350,000. E. P. Madorie, 1106 Contentional Bldg., archt. Noted Dec. 6.

Tex., Dallas — Store and Office — Volk Bros., Elm St., plans 10 story, 75 x 100 ft., concrete, steel and brick. $900,000. Engineer and architect not announced.

Tex., San Marcos—High School—Voted $200,000 bonds for high school. F. E. Erck, mayor. Noted Nov. 29.

Okla., Tulsa—Hotel—C. P. Alexander having final plans made by L. I. Shumway, 725 Wright Bldg., 5 story and basement, rein.-con., brick, steel and terra cotta, South Cheyenne St. $200,000.

Okla., Tulsa — Store — Van Dever Dry Goods Co., 109 South Main St., having plans prepared by Atkinson & Olson, 816 Mayo Bldg., 8 story and basement, 60 x 135 ft., rein.-con. $300,000. W. W. Huff, 506 Mutual Life Bldg., Kansas City, Mo., structural engr. Noted Sept. 6.

Calif., Davis — Office — See "Industrial Work."

Calif., Inglewood — Theatre, Office and Store—A. Bennett, c/o Engineering Service Co., archts., Washington Bldg., Los Angeles, having plans prepared 2 story, 75 x 150 ft., brick, seating capacity 1,500 or more.

Calif., Long Beach—Bank and Office—Bank of Italy, Powell and Eddy Sts., San Francisco, plans 8 story, Class A, fireproof construction. To exceed $150,000. Engineer and architect not selected.

Calif., Long Beach—Bank and Office—Guaranty Title Co., 146 Locust Ave., plans 5 story, fireproof construction, Locust Ave. To exceed $150,000.

Calif., Long Beach—Lodge, Store and Office—Palos Verdes Lodge 389 Masonic Fraternity of Long Beach having plans prepared by Davies & Baume, et al., Farmers & Merchants Bldg., approximately 4 story, brick, Pine Ave. $150,000 or more.

Calif., Long Beach—Office—See "Industrial Works."

Calif., Los Angeles—Apartment—Laiser, Killen & Condon, Los Angeles, having plans prepared by Walker & Eisen, Pacific Finance Bldg., 5 story and basement, 150 x 226 ft., rein.-con. and brick, 4th St. and Normandie Ave., $1,000,000.

Calif., Los Angeles—Apartment and Store—M. Mandel, 3674 Arlington St., having preliminary plans prepared by J. M. Cooper, Marsh-Strong Bldg., 5 story, rein.-con., Hollywood Blvd. $500,000.

Calif., Los Angeles—Apartment—Walker & Eisen, archts., Pacific Finance Bldg., preparing preliminary plans approximately 13 story, 150 x 150 ft., rein.-con., Ardmore Ave. Owner's name withheld.

Calif., Los Angeles—Auditorium—Mystic Shrine of Los Angeles, had revised plans prepared by J. C. Austin, Detwiler Bldg., A. M. Edelman, H. W. Hellman Bldg., both of Los Angeles, and G. A. Lansburgh, 140 Montgomery St., San Francisco, rein.-con., and steel, Jefferson and Royal Sts., $2,000,000 or more. Noted Mar. 15.

Calif., Los Angeles—Hotel—Lane, Slosburg & Schlank, Mortgage Guarantee Bldg., had plans prepared by H. W. Charlton, Central Bldg., Glendale, 4 story, brick, Figueroa St. $150,000.

Calif., Los Angeles—Hotel—C. S. Levi, archt., Douglas Bldg., preparing preliminary plans 150 x 235 ft., approximately 4 story, brick, $150,000 or more. Owner's name withheld.

Calif., Los Angeles—Museum—Los Angeles Co. having plans prepared by Allied Architects Assn., Citizens Natl. Bank Bldg., 3 story, 150 x 200 ft., fireproof, in Exposition Park. To exceed $150,000.

Calif., Los Angeles—Office and Store—Citizens Mortgage Co., Loew State Bldg., having plans prepared by Noernberg & Johnson, Railway Bldg., 12 story, rein.-con. and brick, 11th St. and Bway. $500,000 or more.

Calif., Los Angeles—Store and Office—Grand Ave. Building Co., c/o L. L. Jones, archt., Grosse Bldg., having plans prepared 12 story and basement, rein.-con. and brick, Grand Ave. near 7th St. To exceed $500,000.

Calif., Los Angeles—Store and Office—J. J. Morgan, 5627 Hollywood Blvd., had preliminary plans prepared by Lindley & Selkirk, Amer. Bank Bldg., 12 story, 110 x 115 ft., rein.-con., Western Ave. and Hollywood Blvd.

Calif., Marysville—Memorial—Yuba Co. takes bids early in 1924, 2 story and basement, steel and rein.-con. memorial auditorium, here. To exceed $150,000. J. Morgan, Merchants Exch. Bldg., San Francisco, archt. Noted Aug. 30.

Calif., Oakland—Cathedral—Scottish Rite Bodies of Alameda Co., plans Class A construction, Jackson and 15th Sts. $1,000,000. C. Werner, Santa Fe Bldg., San Francisco, archt.

Calif., Pasadena—Office and Theatre—A. C. Blumenthal et al., Loew State Bldg., Los Angeles, plans approximately 8 story, Class A construction, on site 100 x 250 ft., Madison Ave.

Calif., Pomona—Hotel—C. B. Afflerbaugh, 705 East Holt St., interested in syndicate which plans hotel, Holt and Towne Aves. To exceed $150,000.

Calif., San Francisco—Dance Hall and Stores—Trowbridge & Perkins, c/o E. E. Young, archts., 2002 California St., having plans prepared 3 story and basement, Class A construction, Market and 9th Sts., $150,000 or more.

Calif., San Jose — Club — Catholic Women's Community Center, c/o Binder & Curtis, archts., 255½ South 1st St. having plans prepared 4 story and basement, rein.-con., 5th and San Fernando Sts. $150,000 or more.

Calif., San Pedro—Hotel and Store—McCormick Realty Co., 628 North Western Ave., Los Angeles, plans 225 room hotel, fireproof construction. To exceed $150,000.

Calif., San Rafael—Orphanage—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco, had plans prepared by J. J. Foley, 770 Fifth Ave., San Francisco, five 2 story, buildings, rein.-con., 3 dormitories, gymnasium and chapel. To exceed $150,000.

Ont., London—School, etc.—Bd. Educ. takes bids after Jan. 1, 2 story 16 room and auditorium, brick, Empress Ave. $180,000. L. E. Carrothers, c/o Bd. Educ., archt.

Ont., Toronto—Apartment—Roberts Bros., 241 Dovercourt Rd., having plans prepared by N. G. Beggs, 6 Jean St., 3 or 4 story and basement, rein.-con., brick, steel and stone, plain foundation, Spadina Rd. $1,000,000.

Ont., Toronto—Hospital—Western Hospital, Bathurst St., having plans prepared by E. J. Lennox, 364 Bay St., altering and constructing 2 and 3 story and basement, rein.-con., brick and steel, plain foundation. $150,000-$200,000.

Ont., Toronto—Office—J. J. O'Neil, 34 University Ave., having plans prepared by W. F. Sparling Co., 54 University Ave., 12 story and basement, rein.-con., brick and steel, plain foundation, Victoria and Adelaide Sts. $800,000.

BIDS DESIRED

Mass., Boston — Temple — Jan. 7, by Krokyn, Brown & Rosenstein, archts., 7 State St., 3 story, 70 x 160 ft., limestone, Seaver St. and Elm Hill Ave., for Miskan Tefila, c/o architects $200,000.

Mass., Roxbury (Boston, P. O.)—School—Jan. 4 (extended date) by School Com. of City of Boston, Phillips Brooks Grammar School, 2 story and basement, 80 x 240 ft., rein.-con. and brick, wood pile foundation, Lawrence Ave., here. $500,000. J. Gray, 175 High St., Boston, archt. Noted Nov. 8.

Mass., Salem—School—Jan. 10, by D. J. Sullivan, mayor, 3 story and basement, 68 x 130 ft., rein.-con. and brick addition to Phillips School, plain foundation, Washington Sq. $200,000. J. H. Bickford Co., 6 Beacon St., Boston, archts. Noted Dec. 20.

Pa., Lebanon — School — Jan. 7, by Ritcher & Eiler, archts., 147 North 5th St., Reading, 2 story and basement, brick and steel, 78 x 247 ft. with 58 x 80 ft. wing, plain foundation, 3rd, Lehman, Henry and Houck Sts., for School Bd., here. $280,000.

Pa., Phila.—Apartment—Jan. 5, by E. A. Smith, archt., 1208 Chestnut St., 4 story and basement, 124 x 233 ft., 43rd and Chestnut Sts., for I. N. Smith, Hotel Marlyn, $300,000.

Md. Baltimore—Store—Jan. 7, by T. W. Pietsch, archt., American Bldg., 4 story, 40 x 70 ft., brick, plain foundation, Franklin and Charles Sts., for Mercantile Trust & Deposit Co., Calvert and Redwood Sts. $150,000. H. Massart, 328 North Charles St., engr. Noted Nov. 1.

Md., Baltimore—Store—Jan. 10, by F. J. Baldwin, archt., 328 North Charles St., and

Buildings (Continued)

J. E. Sperry, Calvert Bldg., associated archts., altering and constructing 5 story addition, concrete, brick and steel, plain foundation, Howard and Saratoga Sts., for Hutzler Bros., Howard and Saratoga Sts. $550,000. H. F. Doeleman, 507 North Charles St., engr. Noted Jan. 18.

O., Cleveland—Apartments—A. Krinsky and M. Sadai, 3342 East 125th St., taking bids and open same about Jan. 15, 3 story and basement, 40 x 157 ft., brick, 783 East 88th St., $150,000. N. Petti, 911 Williamson Bldg., archt. Noted Dec. 13.

O., Cleveland—Apartment—I. Lieberman, 11212 Berkshire Rd., taking bids 3 story and basement, 40 x 48 x 94 ft., brick, 794 East 125th St. $150,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland—Apartment—Rothenberg & Bralosky, 2388 Ontario St., taking bids and opens same about Jan. 25, 3 story and basement, 52 x 130 ft. brick, Cornell Rd. near Euclid Ave. $175,000. M. Weis, 618 Union Bldg., archt. Noted Oct. 4.

O., Cleveland — Apartment — M. Weis, archt., 617 Union Bldg., taking bids and opens same about Jan. 20, 3 story and basement, 45 x 148 ft., brick, 979 Parkwood Dr., for I. Brezin, c/o architect. $150,000.

O., Cleveland—Office—S. H. White, archt., Schofield Bldg., taking bids remodeling garage into 10 story office building, 1210 Huron Rd., for Cresswell Building Co., c/o architect. $200,000.

Mich., Jonesville—School—Jan. 17, by R. M. Powers, secy. Bd. Educ., 2 story and basement, rein.-con. and brick, plain foundation, $150,000. E. S. Batterson, 405 Hanselman Bldg., Kalamazoo, archt.

Wis., Milwaukee—Store—Jan. 10, by M. Tullgren & Sons, archts., 425 East Water St., 4 story and basement, 87 x 150 ft., brick and concrete, plain foundation, 3rd St., for C. Ries & Sons, 697 3rd St. $200,000.

Kan., Baldwin City—College—T. W. Williamson, archt., Central Natl. Bank Bldg., Topeka, taking bids 2 story and basement, rein.-con., brick and stone, plain foundation on campus, here, for Baker University. $300,000. Noted Oct. 18.

Tex., Tyler—High School—Jan. 17, by Bd. Educ., brick and concrete high school, also remodeling present buildings. $250,000. De Witt & Lemmon, Southwestern Life Bldg., Dallas, engrs. and archts. Noted Oct. 25.

BIDS RECEIVED

N. Y., Buffalo—Office—Supervs. Erie Co., 29 City and County Hall, 3 story, rein.-con., brick and Indiana limestone, Eagle St., general contract from C. H. Everitt, 295 Auburn Ave., $279,165; heating, from Bresnahan Co., 293 Franklin St., $32,157. Noted Nov. 29.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., constructing P. S. School 186, Spring and Rock Creek Church Rds., from C. H. Tompkins, 1612 Park Rd., $133,700. Noted Dec. 6.

La., New Orleans—School—Orleans Parish School Bd., Dec. 21, Capdau School, Franklin and Lotus Sts., from O. M. Gwin, Canal Commercial Bldg., $195,715. Noted Nov. 29.

Mich., Ironwood—School—Bd. Educ., 3 story and basement, rein.-con., brick and stone, from Bartleson & Ness, Minot, N. D., $951,000, Madsen & Peterson, 646 Builders Exch., Minneapolis, Minn., $958,890, Natl. Contg. Co., 311 Metropolitan Bank Bldg., Minneapolis, Minn., $978,700. Above bidders have been asked to refigure on certain alternates, and revised bids to be in by Jan. 8. Noted Nov. 15.

Calif., Los Gatos — High School — Los Gatos Union High School Dist., general contract 1 and 2 story, rein.-con., from Herndon & Finnegan, 1814 17th St., Sacrameto, $148,670. Noted Dec. 6.

CONTRACTS AWARDED

Mass., Boston—Apartment Hotel—W. C. Codman & Sons, 15 State St., 8 story, 70 x 116 ft., brick, plain foundation, Charles St., to Chase & Gilbert, 185 Devonshire St., $400,000.

Mass., Northampton — School — School Com., 3 story, brick, to M. C. Kroll, 205 State St., $225,000. Noted Sept. 20.

N. Y., Brooklyn — Apartment — Saturn Realty Co., Inc., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build 4 story, brick, steel and stone, plain foundation, Montgomery St., by day labor. $200,000.

N. Y., Brooklyn — Apartment — Shure & Kaplan, Inc., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York, will build 4 story, brick, steel and stone, plain foundation, Sullivan St., by day labor. $200,000.

N. Y., New York—Apartment—Bloom & Rubin, 15 West 97th St., will build 15 story, 100 x 102 ft., brick, steel and stone, plain foundation, 59 East 86th St., by separate contracts. $1,500,000. Schwartz & Gross, 347 5th Ave., archts. and engrs.

N. Y., New York—Apartment—M. Brenner c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Crotona Parkway, by day labor. $200,000.

N. Y., New York—Apartment—Curtess Realty & Constr. Co., c/o W. I. Hohauser, archt. and engr., 116 West 39th St., will build 6 story, brick, steel and stone, plain foundation, 207th St., by day labor. $200,000.

N. Y., New York—Apartment—J. Dieschel Building Co., Inc., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build two 5 story, brick, steel and stone, plain foundations, Mosholu Parkway, by day labor. $150,000 each.

N. Y., New York — Apartment — Gus Realty Co. c/o C. Schaefer, archt. and engr., 394 East 150th St., will build 2 5 story, brick, steel and stone, plain foundations, East 168th St., by day labor. $175,000 each.

N. Y., New York—Apartment—J. Harbater, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 6 story, brick, steel and stone, plain foundation, East 13th St., by day labor. $300,000.

N. Y., New York—Apartment—Maemin Building Co. c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Stebbins Ave., by day labor. $350,000.

N. Y., New York—Apartment—L. Weisman c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, Grand Concourse, by day labor. $400,000.

N. J., Elizabeth—High School—Bd. Educ. general contract Junior High School, to Mongan Constr. Co., 207 Market St., Newark, $395,684; electrical work to Cosmo Electrical Co., Newark, $26,100; heating and ventilating to J. H. Nelles Co., 853 Springfield Ave., Newark, $51,000.

Pa., Erie—Store—Stanley Bros. Co., 1201 Parade St., 3 story and basement, 100 x 105 ft. rein.-con. and brick, Parade St., to N. F. Blair Constr. Co., Swetland Bldg., Cleveland, O. Archts. est. $150,000.

Md., Baltimore—Sunday School—Catonsville Methodist Episcopal Church will build 3 story, 73 x 118 ft., stone, plain foundation, Melvin and Frederick Aves. $150,000. Work will be done by separate contracts under supervision of W. M. Griske, archt., Gunther Bldg. Noted Mar. 29.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., constructing Armstrong Manual Training School, to G. E. Wyne, Home Life Bldg., $469,700. Noted Dec. 20.

Fla., Clearwater—School—Pub. Instruction, Pinellas Co., school to Marshall, Jackson Co., Lakeland, $133,500. Noted Nov. 22.

W. Va., Charleston — Capitol — State Capitol Comn., brick, steel, stone, plain foundation, to G. A. Fuller Co., 175 5th Ave., New York City. $1,030,000. Noted Nov. 15.

Ky., Louisville—Bank—Federal Reserve Bank, 5th and Market Sts., 2 story and basement, 52 x 105 ft., rein.-con. and cut stone addition, to National Concrete Constr. Co., Board of Trade Bldg., $153,000. Noted Nov. 1.

Mich., Detroit — Hotel — Stratford Arms Hotel, 3729 Cass Ave., 7 story and basement, 60 x 125 ft., rein.-con., brick and steel, plain foundation, Sproat St. and Park Ave., to Lynch Constr. Co., 1200 Washington Blvd. Archts. est. $405,000. Noted Nov. 22.

Mich., Detroit—Office and Shop—Detroit Motor Bus Co., Terminal and Edlie Sts., 2 story office building, and 1 story shop, brick and steel, plain foundation, Dexter Blvd., to Austin Co., 1954 Penobscot Bldg. Archts. est. $300,000.

Wis., Milwaukee — Apartments — Beach Realty Co., 53 Patton Bldg., two 4 story and basement, 52 x 130 ft., brick, tile and concrete, plain foundations, Irving Pl., to Raulf Co., 428 Grand Ave., Milwaukee, Architects. est. $165,000 for both.

Ia., Sioux City—High School—Bd. Educ., general contract 4 story and basement, 225 x 228 ft., rein.-con., brick and stone, to Riesche & Sanborn, 514 Jackson St., $321,559; plumbing to V. J. Hogan, 518 Pearl St., $62,716. Noted Nov. 15.

Minn., Virginia—Apartment—C. F. DeZurick and H. Cotlow, 231 Plymouth Bldg., Minneapolis, will build 3 story and basement, 97 x 100 ft., rein.-con., brick and tile, here, by day labor. $250,000. A. Dahlstrom, 305 Essex Bldg., Minneapolis, archt.

Kan., Topeka—School, etc.—Bd. Educ., Parkdale School, brick and rein.-con., 10th and Chandler Sts., also administration building for Topeka High School Manual Training Dept., both general contract to L. K. Bowers & Son, 627 College Ave., $119,196.

S. D., Spearfish—School—Bd. Educ., 2 story and basement, rein.-con., brick, tile and stone, general contract to S. W. Jonason Constr. Co., Aberdeen, $93,757. Noted Nov. 29.

Mo., Kansas City—Office—J. A. Bruening, 317 Dwight Bldg., general contract 12 story and basement, 142 x 145 ft., rein.-con., brick and stone and terra cotta, to Pratt Constr. Co., Huntzinger Bldg. Archts. est. $1,500,000. Noted Oct. 18.

Ark., Batesville — Church — Baptists Church, 135 x 140 ft., sandstone rock and marble, to Young Bros., Batesville. Archt. est. $150,000.

Ark., Ft. Smith—Convent—F. W. Redlich, archt., Stillwater, Okla., 4 story, 78 x 177 ft., rein.-con. and brick, Albert Pike Rd., here, to Majors & Scheers, Sapulpa, Okla., for Benedictine Sisters. $120,000 exclusive of certain features and equipment. Noted Dec. 6.

Calif., Los Angeles—Hotel and Store—E. N. Adam, c/o Russell & Alpaugh, archts., Story Bldg., 9 story and basement, 95 x 140 ft., rein.-con., San Pedro and 5th Sts., to H. T. Johnson Co., Bradbury Bldg., $650,000 on percentage basis. Noted Dec. 20.

Calif., Los Angeles—Store and Loft—A. C. Blumenthal and others, Loew State Bldg., 11 story and basement, 100 x 150 ft., rein.-con. and brick, Bway between 9th and 10th Sts., to Macdonald & Kahn, Loew State Bldg., $650,000. Noted Oct. 25.

Calif., Los Angeles—Store and Apartment—West Coast Home Builders, 4996 West Adams St., will build 3 story and basement, brick, Main and 42nd Sts., by day labor. $150,000. Private plans.

Calif., Norwalk—Hospital—State of California, will build two 2 story, rein.-con. and tile, hospital buildings, by day labor. $110,000 each. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Oakland—Office—W. H. Wakefield, Easton Bldg., 7 story and basement, rein.-con., Bway. and 17th St., to C. W. Heyer, Jr., Mills Bldg., San Francisco, $300,000.

Calif., San Francisco—Office—Pacific Gas & Electric Co., 445 Sutter St., terra cotta contract for 17 story, brick, steel and concrete, Market and Beale Sts. to Gladding, McBean Co., Crocker Bldg., $155,000. Total cost $1,500,000.

Calif., San Francisco — Orphanage — San Francisco Protestant Orphanage Society, 520 Lake St., 3 story administration building, 2 story concrete and stucco cottages, and 1 story rein.-con. laundry and power house, on 10 acre site bounded by 28th and 30th Aves., Vicente and Wawona Sts., to Lindgren-Swinerton Co., Inc., Standard Oil Bldg., approximately $350,000. Noted Dec. 20.

Calif., San Jose—Lodge Hall—San Jose Masonic Hall Assn., c/o C. Werner, archt., Santa Fe Bldg., San Francisco, general contract 3 story, rein.-con., to I. W. Coburn, 180 Jessie St., San Francisco, $48,300; concrete work, to C. Sartorio, 180 Jessie St., San Francisco, $63,982; and heating and ventilating to Ideal Heating & Eng. Co., 192 Erie St., San Francisco, $24,990. Noted Oct. 25.

Federal Government Work

PROPOSED WORK

Conn., Mystic—Post Office—Treas. Dept. Wash., D. C., rejected bids 1 story, 62 x 64 ft., brick and tile Post Office, here. Noted Dec. 6.

Ky., Addison—Lumber—U. S. Engineer, P. O. Box 72, Louisville, plans to purchase 30,000 ft. white oak select dimension, 8- to 20-ft. lengths, 35,000 ft. white oak common dimension, 9- to 12-ft. lengths, f.o.b. here.

BIDS DESIRED

Pa., Phila.—Lumber—Jan. 3, by Depot Quartermaster, 1100 South Broad St., furnishing 100,000 ft. Douglas fir.

N. C., Wilmington—Snagboat—Jan. 28, at office U. S. Engineer, one 90 ft. steel stern-wheel snagboat; adv. E. N.-R. Jan. 3.

Ala., Florence—Clearing Land—Jan. 14, at office U. S. Engineer, clearing land along Tennessee River above Wilson Dam; adv. E. N.-R. Jan. 3.

Federal Government Work (Continued)

Mo., Kansas City—Extension—Jan. 29, by Treas. Dept., Wash., D. C., two 67 x 74 ft., brick and cast stone wings, Extension 3, to U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt

BIDS RECEIVED

Ky., Louisville—Operating Machinery—U. S. Engineer, P. O. Box 72, operating machinery for Dams 44 and 45, Ohio River, from H. P. Gazzam Machine Co., 3200 Penn Ave., Pittsburgh, Pa., Lot A $29,950; from J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., Lot B $13,045. Noted Dec. 20.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., New Post Office Bldg., Portland, improving 3.73 mi. Scottsburg-Reedsport Rd., Siuslaw National Forest, Douglas Co., from T. Knudson, Portland, Class C concrete $154,376 (contractor furnishing explosives). Noted Dec. 13.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., New Post Office Bldg., Portland, improving Bear Gulch National Forest Rd., Malheur National Forest, Grant Co., from Morrison & Knutson, Railroad and Reclamation Aves., Boise, Idaho, 25,000 cu.yd. rock excav., $1.47, 20,000 cu. yd. common excav., $0.56, 1,500 cu.yd. structural excav., $1, 1,940 lin.ft. 18 in. corrugated galvanized iron pipe, $2.75, 620 lin. ft. 24 in. corrugated galvanized iron pipe, $5.50, 500 lin.ft. 6 in. tile $1, 15 ft. span log bridge, $225, etc., total $62,712. Noted Dec. 13.

CONTRACTS AWARDED

N. Y., New York—Dredging—U. S. Engineer, 2nd Dist., Army Bldg., dredging in Newark Bay, N. J., to G. H. Breymann & Bros., 17 Battery Pl., Area 1, $0.5475; Morris & Cummings Dredging Co., 17 State St., Area 2, $0.25; Atlantic Gulf & Pacific Dredging Co., 13 Park Row, Area 3, $0.2764. Noted Dec. 6.

Mo., Kansas City—Garage—Treas. Dept., Wash., D. C., 2 story, 103x281 ft. rein.-con., brick and steel, for U. S. Post Office, here, to J. E. Morley, 5817 Charlotte St., approximately $150,000.

FEDERAL POWER COMMISSION

Applications for licenses and Permits.

APPLICATIONS

448—Excelsior Water and Power Co., Smartville, Calif.—Wants license for power house and appurtenant works on South Yuba River, near Nevada City and Marysville.

449—T. A. Clarke, Chronicle Bldg., San Francisco, Calif.—Wants license for small power plant on South Fork Merced River, 55 mi. above Merced.

450—Central Missouri Power and Water Co., Interstate Bldg., Kansas City, Mo., wants permit for 2 power projects in Gasconade River near Vienna and Waynesville.

451 — A. E. Humphreys, c/o District Forester, Post Office Bldg., Denver, Colo.—Wants license for 85 ft. dam across Goose Creek, with power house and appurtenant structures on Goose Creek, Mineral Co.

452 — Juniata River Water Power Co., Pottsville, Pa., and Watts Water Power Co., Harrisburg, Pa.—Want permit for concrete dam across Juniata River and power house about 1 mi. upstream, near Newport, Perry Co.

453—M. Finnerty, 321 Boston Bldg., Denver, Colo.—Wants permit for small power development on Scott, Gomer and Geneva Creeks, Park Co.

454—L. Park, Greenville, Tenn.—Wants permit for dam in Nolichucky River at Bird's Hill Site, Greene Co.

455—T. H. Roberts, 728 Equitable Bldg., Denver, Colo.—Wants license for short transmission line in Tremont Co., Wyo.

Unclassified

PROPOSED WORK

Heating System — Elmira, N. Y. — Bd. Educ. plans new heating system for P. S. 2. $50,000. Will mature in spring.

Parks, Seawalls, etc. — Tampa, Fla. — Feb. 12, to vote on $125,000 for park incl. dredging, filling and embankment, also $250,000 for construction seawalls, roadway and parkways. R. D. Martin, City Hall, engr.

Wharves, etc.—Tampa, Fla.—Feb. 12 to vote on $75,000 bonds for wharves and sheds; also $100,000 bonds for fire stations, alarm systems and equipment. R. D. Martin, City Hall, engr.

Eliminating Grade Crossings—Jackson, Miss.—See "Streets and Roads."

Power Development—Minnesota—Minnesota Power & Light Co., Duluth, plans to expend $15,000,000 within 3 years to develop 130,000 hp. Project includes new power dam at Fond-du-Lac, hydro-electric power development in Vermilion Lake dist., near Ely, and power plants at Cloquet and Scanlan, together with plants taken over by company. Also extending transmission lines girdling Mesabe and Vermilion iron ranges in northern Minnesota. W. S. Robertson, pres. Noted Aug. 2.

Lighting System — Hot Springs, Ark. — Making preliminary plans "White Way" lighting system for downtown section. $25,000. C. Smith, City Hall, engr.

Levees — Crockett, Tex. — Houston Co. Levee Dist. 1, making plans levee improvements and maintenance. $60,000 bonds approved. C. H. Milburn, Crockett, co. engr.

Underpasses — Dallas, Tex. — City and Gulf Colorado & Santa Fe R.R., Union Sta., Galveston, take bids in January, two concrete and steel underpasses, one on Harwood St. and other on Ervay St., also paving. $100,000. F. Merritt, ch. engr. Gulf Colorado & Santa Fe R.R. E. A. Kingsley, city engr.

Pipe Line—Denison, Tex.—Missouri, Kansas & Texas R.R., Missouri, Kansas & Texas Bldg., Dallas, plans pipe line from Randell Lake to Ray Yard. $40,000. H. H. Johntz, Missouri, Kansas & Texas Bldg., Dallas, engr.

Oil Tank—Webster, Tex.—Humble Oil & Refining Co., Humble Oil Bldg., Houston, plans steel oil tank, here. $25,000. F. W. Reese, c/o owner, engr.

Steel Work—Sand Springs, Okla.—See "Industrial Works" under Contract Award.

Lighting System—Grass Valley, Calif.—City plans lighting system in business and residential districts. $25,000 or more.

Oil Terminal, Pumps, etc.—Long Beach, Calif.—Bay Hills Pipe Line & Storage Co., plans 10 in. pipe line from Signal Hill to Long Beach, 72,000 bbl. booster pump, two 4,000 bbl. loading pumps, and two 80,000 bbl. storage pumps, tanks, loading wharves, etc., $1,250,000. Private plans.

Power Development—East River Sheet Harbor, N. S.—Nova Scotia Power Comn., Halifax, plans power development of Ruth Falls, here, incl. concrete intake dam 800 ft. long, 20 ft. high, 8,000 ft. canal leading to power house, penstock structure from lower end of canal to power house, etc. K. H. Smith, ch. engr.

Transmission Line — Ontario — Ontario Hydro Comn., London, plans 70 mi. transmission line from London to Sarnia on steel towers, 110,000 volts. A. Beck, chn.

BIDS DESIRED

Bulkheads—Tampa, Fla.—See "Industrial Works."

Transmission Line — Louisville, Ky. — Interstate Pub. Service Co., Wild Bldg., Indianapolis, Ind., plans 66,000 volt transmission line from proposed plant in Indiana across Ohio River to here. To exceed $25,000.

Street Lights—Lubbock, Tex. — Making plans street lighting system, $50,000. J. B. Hawley, Cotton Exchange Bldg., Ft. Worth, consult. engr. S. Sanders, city engr. Noted Nov. 15.

Elevator — Port Arthur, Tex. — Kansas City Southern R.R., 11th and Wyandotte Sts., Kansas City, Mo., rejected bids 600,000 bu. elevator, rein.-con., here. $500,000. A. M. Reece, c/o owner, engr. Will be readvertised at once. Noted Oct. 4.

Jetty—New Westminster, B. C.—Jan. 21, by L. H. Colman, secy. Dept. Pub. Wks., Ottawa, Ont., completing Steveston Jetty, at mouth of Fraser River, here. $25,000.

Transformers and Spares—Melbourne, Australia—Feb. 11, by R. Liddelow, secy. State Electricity Comn. of Victoria, four 100 kva. 25,400-6,600 v. transformers and spares, Spec. 24/4, for Morwell Power Scheme; adv. E. N.-R. Jan. 3.

BIDS RECEIVED

Heating and Ventilating Apparatus — Brooklyn, N. Y.—W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Dec. 28, heating and ventilating apparatus in P. S. 205, 20th Ave. from 67th to 68th Sts., for Bd. Educ., 500 Park Ave., New York, from E. Rutzker & Co., 404 East 49th St., New York, $111,238. Noted Dec. 20.

Bulkhead — Long Island City, N. Y. — M. E. Connolly, pres. Queens Boro., Subway Bldg., bulkhead at end of 3rd St. on westerly side of Dutch Kills Creek, from McHarg-Barton Co., Inc., 1328 Bway., New York City, $5,816. Noted Dec. 20.

Steel Rolling Doors—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., furnishing and erecting steel rolling doors, from Kinnear Mfg. Co., Hibernia Bank Bldg., $48,500. Noted Dec. 6.

CONTRACTS AWARDED

Pier Shed — New York, N. Y. — J. H. Delaney, comr. Docks, Pier "A," North River, West 44th St. Pier Shed, North River, Contr. 1810, superstructure to Triest Const. Corp., 247 Park Ave., $813,860. Noted Aug. 2.

Coaling Station—Kingstown, Ga.—Nashville, Chattanooga & St. Louis R.R. Co., Exchange Bldg., St. Louis, Mo., 250 ton rein.-con. coaling station and rein.-con. gravity sand plant, here, to Roberts & Schafer Co., 400 North Michigan Ave., Chicago, Ill. Engrs. est. about $40,000.

Silos—Chicago, Ill.—Marquette Cement Co., 140 South Dearborn St., 6 silos, 40 ft. in diam., and 56 ft. high, to McDonald Eng. Co., Cape Girardeau, Mo. Engrs. est. $100,000.

Foundation — Appleton, Wis. — Conway Hotel Co., Oneida St., plain foundation and excavation for 6 story, 56 x 77 ft., brick and concrete addition, to C. R. Meyer & Sons, 50 State St., Oshkosh. Noted Dec. 27.

Street Lighting System—Venice, Calif.—Lighting system in portions of Washington Blvd. and other streets to D. McEwan, 127 Pier Ave., Ocean Park, approximately $36,500.

Transmission Line—Timmins, Ont.—Hollinger Consolidated Gold Mines, Ltd., 80 mi. transmission line, 110,000 volt on steel towers from here to Island Portage on Abiliki River, to Lang & Ross, Saulte Ste. Marie. Engrs. est. $1,000,000. Noted Sept. 20.

Materials and Equipment

PROPOSED WORK

Graders, etc. — Appleton, Wis. — Outagamie Co. takes bids in February for 1 large grader, several patrol graders and small tools. $20,000. A. G. Brusewitz, highway comr.

Street Flusher, etc.—Oshkosh, Wis.—Bd. Pub. Wks. takes bids about Jan. 15, street flusher $9,000, and 15-ton combination steam roller and scarifier. J. Voss, chn.

Sewer Cleaning Machine—Ripon, Wis.—City plans to purchase sewer cleaning machine. F. A. Preston, city clk.

Paving Materials—Minneapolis, Minn.—F. S. Cram, city purch. agt., soon takes bids on following materials for 1924 season: 1,125,000 gal. road oil, 125,000 bbl. cement, 60,000 sq.yd. 3½ in. creosoted wood block, 2,500,000 paving brick, 1,200 tons asphalt, vitr. sewer pipe, and 400 tons sewer castings. N. W. Elsberg, city engr.

BIDS DESIRED

Asphaltic Cement, etc.—New York, N. Y.—Jan. 9, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 600,000 gal. asphaltic cement, 2,500 cu.yd. sand grit, 20,000 cu.yd. asphalt sand, 20,000 bags portland cement, and 500,000 wood paving blocks.

Snow Loader—Trenton, N. J.—Jan. 4, by City Comn., snow loader, Barber-Greene Type F, for Street Dept. J. E. English, City Hall, engr.

Steam Shovel, etc.—Bowling Green, Ky.—W. H. Crump, Box 525, in market for large jaw crusher, roller and steam shovels.

Pump—Montpelier, O.—Jan. 14, by Bd. Pub. Affairs, one complete motor driven deep well centrifugal pump. F. Eberly, clk.

Coal Cars and Catipillar Treads—Mulberry, Kan.—Carney Cherokee Coal Co., in market for Durkey coal cars, and catipillar treads for tractors.

Concrete Mixer—Kansas City, Mo.—Pratt Thompson Constr. Co., Huntzinger Bldg., in market for large concrete mixer for building construction work.

Caterpillar Tractor—Eureka, Calif.—City in market for 60 hp. caterpillar tractor. H. H. Hanna, city engr.

Steel—Los Angeles, Calif.—See "Buildings."

BIDS RECEIVED

Stone, etc. — Hartford, Conn. — Street Dept., Municipal Bldg., Dec. 18, 30,000 tons crushed stone and 9,000 tons stone dust, from E. Balf & Co., Haynes St., $65,510 and $14,850 respectively.

CONTRACTS AWARDED

Shell—Houston, Tex.—Harris Co., 10,000 tons shell for road construction, to Horton & Horton, McKinney Ave., $14,000. Noted Dec. 6.

Pipe—Montreal, Que.—Furnishing 2,290 tons 16, 20 and 30 in. c.i. pipe, to Canada Iron Foundries Co., Mark Fisher Bldg., $106,500.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Jan. 18.

Dredging

ENGINEERING DEPARTMENT
PARISH OF CALCASIEU, LOUISIANA

Lake Charles, La.

December 15th, 1923.

Sealed bids will be received by the Police Jury of the Parish of Calcasieu, Louisiana, until noon, Friday, January 18th, 1924, in the Police Jury Room, Court House, Lake Charles, Louisiana, and then and there publicly opened, for the construction of a Navigation Channel 30 feet deep by 125 feet wide at the bottom, from Lake Charles to the Sabine River.

SECTION 3

The construction of a channel 30 feet deep and 125 feet wide at the bottom, from Station 714, East along the Intracoastal Canal, to Station 580. A distance of 2.54 miles. Approximately 2,020,000 cubic yards of earth to be moved.

This work is along the present Intracoastal Canal, which on this section, is 6 feet deep and 40 feet wide on the bottom. The Atlantic, Gulf and Pacific Dredging Company have a contract with the War Department to deepen and widen this part of the Intracoastal Canal to 12 by 90 feet; their dredge "TEXAS" is working about Station 760 at present, and will pass Station 714 going East between January 1st and 10th. From Station 714, East to Station 680, the land is marsh, elevation +1.0 to +2.0. The Gum Cove Ridge lies between Station 680 and 580, elevation +2.0 to +12.0. Average stage of water +1.2. All depths and elevations refer to Mean Low Gulf Datum.

SECTION 5

The construction of a channel 30 feet deep and 125 feet wide at the bottom, from Station 58 on the Intracoastal Canal, West to Station 322. A distance of 5 miles. Approximately 3,480,000 cubic yards of earth to be moved.

This work is along the present Intracoastal Canal, which has been deepened and widened from Station 58 to 120, to 12 feet deep by 90 feet wide on the bottom. From Station 120 to 322 the Canal is 6 feet deep by 40 feet wide on the bottom, with a Pilot cut from Station 176 to 322, 12 feet deep by 40 feet wide on the bottom, along the South side of the old ditch: The Government Dredge "BLACKWATER" is at present at Station 120 working West completing the Canal to 12 feet depth and 90 feet width. The Blackwater will probably pass Station 176 about February 1st. From Station 58 to 90 is a low Ridge; Elevation +2.0 to +7.0; from Station 90 to Station 322 is a Black Grass Marsh, with knolls; Elevation +1.0 to +3.0. Average stage of water +1.2. All elevations and depths refer to Mean Low Gulf Datum.

Every bid shall be accompanied by a certified check in an amount equal to five per cent (5%) of the amount of the bid, payable to the Treasurer of Calcasieu Parish, which check shall be forfeited to the Parish should the bidder to whom such contract is awarded fail to enter into the contract required within ten (10) days after notice to do so from the Police Jury of Calcasieu Parish.

The Police Jury reserves the right to reject any or all bids.

V. R. REEVES,
President, Police Jury.
FRED SHUTTS,
Parish Engineer.

OFFICIAL PROPOSALS

Bids: Jan. 15.

Municipal Water Supply Improvement

Oklahoma City, Okla.

Sealed bids will be received by M. Peshek, Jr., City Clerk of the City of Oklahoma City, Oklahoma, up to 12.00 o'clock noon, Tuesday, January 15th, 1924, and a duplicate of each bid must be filed with the City Auditor of the said city, and will be opened and considered by the Board of Commissioners at 2.00 o'clock p.m., Tuesday, January 15th, 1924, for the construction of the following work for the improvement to the municipal water supply for the City of Oklahoma City, Oklahoma:

Section A—1—Ambursen Const. Co. plan—Main Dam Extension.
Section A—2—Ambursen Const. Co. plan—Intake.
Section A—3—Ambursen Const. Co. plan—Gates and Operating Mechanism, Main Dam Extension.
Section A—4—Ambursen Const. Co. plan—Steel Flashboards and Operating Mechanism—Intake.
Section B—1—V. V. Long & Co. plan—Main Dam Extension.
Section B—2—V. V. Long & Co. plan—Intake.
Section B—3—V. V. Long & Co. plan—Structural Steel Crest, Intake.
Section C—1—Callahan Const. Co. plan—Main Dam Extension.
Section C—2—Callahan Const. Co. plan—Intake.
Section C—3—Callahan Const. Co. plan—Gates and Operating Mechanism—Main Dam Extension.
Section C—4—Callahan Const. Co. plan—Gates and Operating Mechanism, Intake.
Section D—1—Holway Engr. Co. plan—Main Dam Extension.
Section D—2—Holway Engr. Co. plan—Intake.
Setion D—3—Holway Engr. Co. plan—Gates and Operating Mechanism—Main Dam Extension.
Section D—4—Holway Engr. Co. plan—Gates and Operating Mechanism—Intake.

Bids will be considered on each Section separately, and contractors may bid on any or all sections. All of the necessary work and materials used shall be in strict accordance with the plans and specifications therefor, now on file in the office of the City Clerk.

Each bidder shall accompany his bid with a sworn statement in writing that the bidder had not directly nor indirectly made any agreement, express or implied, with any other bidder or bidders, having for its object the controlling of the price or amount of such bid or bids, the limiting of the bidder or bidders, the parcelling or farming out to any bidder or bidders, or other persons, of any part of the contract, or any part of the subject matter of the bid or of the profits thereof, and has no knowledge of the amount, kind or character of any bid to be made by any other person, firm or corporation, except those submitted and filed by him.

The bid or bids filed with the City Clerk must be accompanied by a certified check on any national bank, in the sum of at least five (5%) per cent of the amount of the bid or bids.

It being further understood that the amount of damages which the City would suffer would be impracticable to determine and extremely difficult to fix in case the successful bidder should fail to enter into a contract and give the required bonds within the required time, it is therefore understood that by the filing of a bid or bids it will be considered as agreed that the amount of damages which the City would suffer by reason of such failure on the part of said successful bidder is the amount represented by the check or checks so filed by the successful bidder, and that the City shall have the authority to appropriate such checks for its own use and benefit in payment for such damages.

Each bidder shall agree to enter into a contract and furnish the required bonds within ten (10) days after the acceptance of his bid, and shall state in his bid when he will begin the work and when he will complete the same.

The contractor will be required to give bond in the sum of twenty-five (25%) per cent of the contract price for faithful performance of the work, and all other bonds that are required by the laws of the State of Oklahoma or the ordinances of said City, and to give bond to hold the City harmless from any and all damages for which the City might be liable under the law, and which might occur by reason of any act upon the part of the said contractor or of any of his employees.

A deposit of fifty ($50.00) dollars will be required for each set of plans and specifications. Such deposit will be refunded upon the return of the plans and specifications in good condition within 10 days after the bids are opened.

Each bidder is hereby notified that the Ambursen Co. plans, the V. V. Long & Co. plans, the Callahan Const. Co. plans and the Holway Engr. Co. plans are different plans for the same construction work and the City reserves the right to finally adopt for said work any one plan or any part of any plan.

The Board of Commissioners further reserves the right to reject any or all bids.

M. PESHEK, JR.,
City Clerk.

OFFICIAL PROPOSALS

Bids: Jan. 30.

42 in.—48 in. and 60 in. Intercepting Sewers, Sewage Pumps, and Sewage Disposal Plant Improvements

Fostoria, Ohio.

December 24th, 1923.

Sealed proposals for the construction of 42" 48" and 60" Intercepting Sewers and Pumping Machinery, Superstructures, Grit Chamber, Sludge Beds, and other improvements to the Sewage Disposal Plant, will be received by the City of Fostoria, Ohio, until 2 o'clock p.m., Eastern Standard Time, on the 30th day of January, 1924, and will then be publicly opened and read.

Official Proposal Blanks, Instructions to Bidders, Specifications, Form of Contract and Bond may be seen at the office of the Director of Public Service, Fostoria, Ohio, or one (1) copy of plans and specifications may be obtained by bona fide bidders upon application to The J. N. Chester Engineers, Union Bank Building, Pittsburgh, Pa., or to the City of Fostoria, Ohio, and deposit of Twenty-five Dollars ($25.00), which amount will be refunded to bidders on receipt of a bona fide bid, or upon the return within thirty (30) days after receipt of bids, of both plans and specifications, in good order.

The right is reserved to reject any or all bids.

JAMES MANECKS,
Director of Public Service.
THE J. N. CHESTER ENGINEERS,
Union Bank Building,
Pittsburgh, Pa.